

November 2012

Walraven Patents & Trademarks



 **BIS**
FIXING SYSTEMS

 **BIS**
FIRE PROTECTION SYSTEMS

 **BIS**
SANITARY SYSTEMS

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Table of countries

AT	=	Austria	FR	=	France	PT	=	Portugal
AU	=	Australia	GE	=	Germany	RS	=	Rep. Serbia
BE	=	Belgium	GR	=	Greece	RU	=	Russian Fed.
CA	=	Canada	HK	=	Hong Kong	SK	=	Slowakia
CH	=	Switzerland	HR	=	Croatia	SU	=	Finland
CN	=	China	IT	=	Italy	SV	=	Sweden
CZ	=	Czech Republic	LB	=	Libanon	TR	=	Turkey
DK	=	Danmark	MA	=	Marocco	UK	=	United Kingdom
ES	=	Spain	NL	=	Netherlands	US	=	United states of America
EU	=	Europe	PL	=	Poland			
EURAS	=	Armenia, Azerbaijan, Belarus, Kazakhstan, Kyrgyzstan, Moldova, Russia, Tajikistan, Turkmenistan						

Patents – Background information

What is a patent?

A patent gives the owner an exclusive right to exploit the subject of the patent during a limited period within a determined geographical area. The maximum period to uphold a patent is 20 years, as long as the yearly duty is paid. This means that each year one has to decide whether he keeps the patent alive in a certain country or not. The patent for the same product can be kept alive in one country and can expire in another. Once the duty is not paid, the patent has expired and does not offer any protection in the said country. Once expired it is not renewable.

Basic conditions to get a patent granted

The subject of the application has to be NEW and INVENTIVE. This is judged by the patent office, in our case most of the time the European Patent Office (EPO).

NEW means that your invention has never before been used or patented and is checked by way of searching the existing literature (all patents, which have ever been published all over the world). INVENTIVE means that your invention has to be somehow innovative, which means that a skilled person could not think of the idea you want patented.

If you want to get into the details of patents, please visit www.epo.org or www.espacenet.com.

The Walraven way for a patent application

Normally we apply for a patent in the Netherlands. The Netherlands is chosen for the following reasons:

- the extra costs are rather low at approximately € 2.000 to € 4.000 (in comparison to go direct for European application);

- it allows us 12 months to complete an international novelty search, which can determine the validity and success of pursuing international patents. The decision in which countries to secure a patent is influenced by the chance of a successful patent and the commercial success of the product.

Within 12 months we have to take a decision for international applications. After this date it is not possible to apply for the same patent in non chosen countries. The priority date (when protection starts) is always the date of registration of the first application.

If we know up front we need a patent for the USA, we apply directly for an international patent. You have 1,5 year to decide in which countries you want your patent protected. It is good to know that the US Patent Office sometimes works differently than the European ones.

Protection of a patent

Your invention is protected from the moment of first application, unless the patent is not granted. In case it is to be expected that a product should be protected by a patent in countries outside Europe our choice is to apply for a PCT patent. PCT stands for Patent Cooperation Treaty. About 180 countries are participating in this treaty. Once an application is registered with the PCT organisation we have 18 months before we have to decide in which individual countries we want to register the patent. During this time there is a provisional protection comparable with what has been written above for patents about the period between application and granting. During this time a novelty search has to be done. This novelty search is also used when we

go into the national phase of the application. In case we want a protection in Europe and USA we go for a PCT application too. A PCT application is often called a "world patent", but there is no such thing as a world patent, because the PCT must be followed by national applications.

The granting period can last up to about 5 years. Once the patent is granted, protection goes back to the date of application.

Each year, we spend quite a lot of money on protecting our intellectual property. We do so to distinguish ourselves from our competitors and to protect any technical advantages we have over our competitors. This is only worth our while, as long as we actively "attack" any party who infringes on our intellectual property. To attack, one first has to know what the competition is doing. Here, our Product Managers and the Sales Staff are the eyes and ears of the company. They have to keep a close watch on our intellectual property and possible infringements on our patent rights and our trademarks.

Patents within Walraven

Late 2012 we introduced a Patent Committee at Walraven Holding. This committee, consisting of Pelle van Walraven (Chairman), Frank Nijdam (Product Marketing), Steven Pruijn (technical patent expertise) and Bert Sedee (legal patent expertise) will

meet every quarter. Main tasks will be to evaluate new ideas, structure the process of patent application, decide on continuation of patents and act upon infringements of our patents.

Steven will be working on the technical aspects of patents. Together with our Patent Attorney he will be responsible for the design of new patents, the formulation of applications and novelty research.

Bert will be responsible for all administration and registration activities. In addition he will co-operate closely with our Patent Attorney on patent infringements.

For all new ideas for our products Frank will be responsible. This means he will be the first to "judge" on the question if a new idea is possibly worth applying for a patent. Frank will also be the contact person for infringements on our patents.

So, if anyone notices or even suspects that one or more of our patents is being used in a competitor's product, please inform your superior and contact Frank Nijdam, Group Director Product Marketing at J. van Walraven Holding B.V. (frank.nijdam@walraven.com, Tel. +31 (0)297 23 22 12).

A leaflet or sample of the competitor's product would be very useful.

Note:

An up to date version of this publication can be found in the Patent & Trademark section on WalravenPlaza (<http://walravenplaza.walraven.local/pt>).

At each patent we have 2 numbers. The first number is the official patent number. The second number is an internal number.

Patents – BIS Fixing Systems (Lining Clamps)

Rubber Lining with metal combined

Basic protection	Expiry Date	Used in	Patent No.
Pipe Clamp with rubber lining characterised in that the sides of the metal strip has a rubber lining and the centre part of the metal strip is free from rubber. See also 06.14	26.06.2027 Plus Denmark.	BIS Aero® Clamp 411 5 XXX	WO 2008/002129 A 06.03
Euras = (BY) Belarus; (KZ) Kazachstan; (RU) Russia			

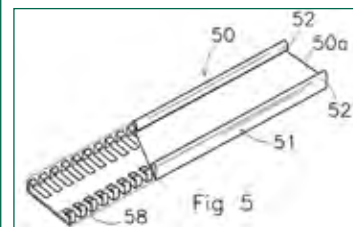
AU	AT	BE	CZ	ES	FR	GE	IT	NL	PL	PT	UK	SV	CH	TR	CA	US	EURAS	CN	HK
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Rubber Lining with metal combined

Basic protection	Expiry Date	Used in	Patent No.
Vibration-isolating element for a pipe clip characterised in that the vibration element has a metal core with at least on one side an angled metal part gripping to the side of the clip body.	24.06.2007 Patent pending in Europe. Countries to be designated.	-	P28185EP01 A 06.14

AU	AT	BE	CZ	ES	FR	GE	IT	NL	PL	PT	UK	SV	CH	TR	CA	US	EURAS	CN	HK

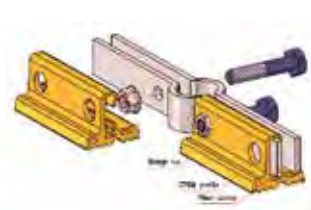


Patents – BIS Fixing Systems (Lining Clamps)

Riser Clamp with vibration insulation

Basic protection	Expiry Date	Used in	Patent No.
Isolation member for a riser clamp characterised in that the isolation member is clamped around the flange of the clamp such that the support strip of the isolation member is between the support surface and the clamp.	Patent pending for Europe. Countries to be designated.	BIS Whisper Riser Clamp 701 9 XXX 702 9 XXX	WO 2010/047578 A 08.05

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Lining of porous rubber for Pipe Clamps

Basic protection	Expiry Date	Used in	Patent No.
Pipe Clamp with rubber lining characterised in that the lining is made from porous rubber with closed cavities with partition walls.	04.08.2023		WO 2004/13534A1 A 02.04

AU	AT	BE	CZ	ES	FR	GE	IT	NL	PL	PT	UK	SV	CH	TR	CA	US	EURAS	CN	HK
			X	X	X	X	X	X			X			X		X	X		



Rubber lining with transverse rills



Basic protection	Expiry Date	Used in	Patent No.
Vibration-isolating extruded strip for pipe clips characterised in that the pipe facing side has a plurality of longitudinal ribs which are serrated along their length OR characterised in that ribs formed on the pipe facing side, which extend in a transverse direction of the strip.	Applied for in NL 2012.03.20	-	Ref. EP&C P 31051 A 12.02

AU	AT	BE	CZ	ES	FR	GE	IT	NL	PL	PT	UK	SV	CH	TR	CA	US	EURAS	CN	HK
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Patents – BIS Fixing Systems (Closing Clamps)



BISMAT® Flash – plastic																			
Basic protection										Expiry Date	Used in	Patent No.							
Pipe Clamp with push through clamping screw which can be pushed down in a spring nut without turning characterised in that the springnut is made of a composition with a steel part and a plastic part.										02.12.2023	BISMAT® Flash 599 337 3 XXX	EP1431641							
												A 02.06							
AU	AT	BE	CZ	ES	FR	GE	IT	NL	PL	PT	UK	SV	CH	TR	CA	US	EURAS	CN	HK
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BISMAT® Flash – spring steel																				
Basic protection												Expiry Date		Used in		Patent No.				
Pipe Clamp with push through clamping screw which can be pushed down in a spring nut without turning characterised in that the springnut is made of steel in a special shape with grip arms under a 90 degree angle to basic part (with further details of shape of the spring nut).												Patent pending in Europe; USA 04.04.2027		BISMAT® Flash 337 3 XXX 337 4 XXX		EP1845295				
																A 06.06				
AU	AT	BE	CZ	ES	FR	GE	IT	NL	PL	PT	UK	SV	SU	CH	TR	CA	US	EURAS	CN	HK
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Scandinavian Speed Lock																			
Basic protection										Expiry Date	Used in	Patent No.							
Pipe Clamp with a special closing nut, characterised in that nut has 2 sides, connected with a spring, so that one side can be moved in such a way that the holes in both sides are in line with each other.										Patent pending in Europe. Countries to be designated.	-	EP1978288							
												A 07.02							
AU	AT	BE	CZ	ES	FR	GE	IT	NL	PL	PT	UK	SV	CH	TR	CA	US	EURAS	CN	HK
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starQuick® Pipe Clamp – closing																			
Basic protection										Expiry Date	Used in	Patent No.							
Hook closure for connecting 2 halves of a pipe clamp characterised in that the hook has a shifted line, keeping both parts together in case of axial load										Plus Finland and Ireland 24.07.2021	starQuick® Pipe Clamps 085 4 XXX 085 5 XXX 085 4 6XX	EP1319 145B1							
												SQ01							
AU	AT	BE	CZ	ES	FR	GE	IT	NL	PL	PT	UK	SV	CH	TR	CA	US	EURAS	CN	HK
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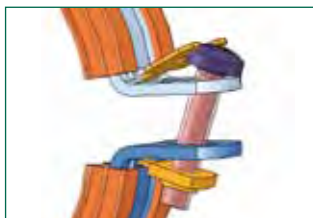



Patents – BIS Fixing Systems (Closing Clamps)

BISMAT® Pipe Clamp with short screw

Basic protection	Expiry Date	Used in	Patent No.
Pipe Clamp with a BISMAT® hammer on the bottom clamp half, characterised in that a pivotable plate is fixed to the upper part of the clamp, where the plate has an open recess to receive the shank of the tightening screw and which allows the use of shorter screws than usual.	NL; 26.11.2027 Patent pending in Europe.	-	EP1933072 A 06.09

AU	AT	BE	CZ	ES	FR	GE	IT	NL	PL	PT	UK	SV	CH	TR	CA	US	EURAS	CN	HK
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Springing slot hole press closing (especially for Spiro clamps)

Basic protection	Expiry Date	Used in	Patent No.
Pipe Clamp with at least one screw for closing, characterised in that one flange has a bigger radius than the pipe and in that the flange is formed with a hole, which continues in the clamp body and allows the screw head to pass the hole by simple pressing only and in that this part of the clamp body is slightly resilient and in that once the head of the screw had passed the hole in the opening the clamp body recoils, so that the shank of the screw is in the recess in the flange of the upper clamp part.	Patent pending in Europe. Countries to be designated. USA	BIS Aero® Clamp 411 5 XXX	EP1939507 A 06.10

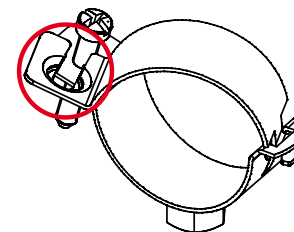
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Pipe Clamp with screw head nest closing

Basic protection	Expiry Date	Used in	Patent No.
Pipe Clamp with on one side a cut out with 2 positions for the screw head with retaining means in the end position characterised in that the retaining means comprise a recess formed in this flange, where the recess is sunk to receive the head of the screw.	Applied for NL 06.07.2030. DBGM 30.06.2021	-	P30185 A 10.02

AU	AT	BE	CZ	ES	FR	GE	IT	NL	PL	PT	UK	SV	CH	TR	CA	US	EURAS	CN	HK
						X		X											



Pipe Clamp with closing in radial sliding shoe

Basic protection	Expiry Date	Used in	Patent No.
Pipe Clamp with on one side a lateral slot and a retaining shoe also with lateral slot with a narrowing point characterised in that the retaining shoe is movable transversely allowing the screw to pass the narrowing point.		GC3263XXX GC3283XXX	P30240 A 10.04

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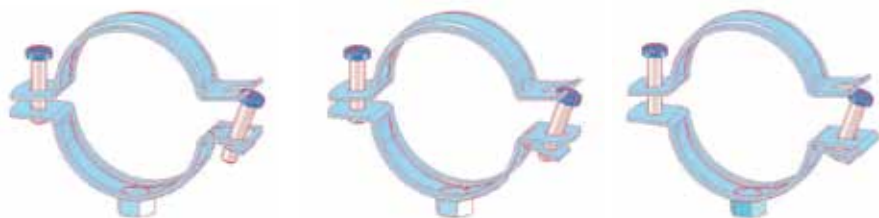


Patents – BIS Fixing Systems (Closing Clamps)

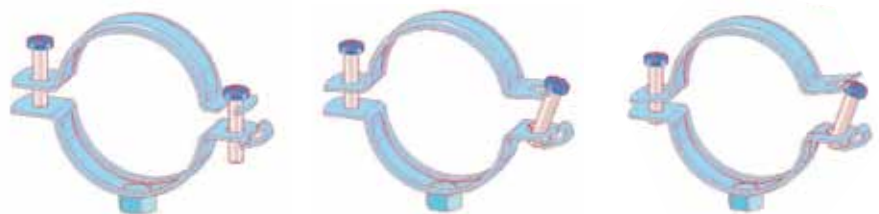
Pipe clamp with integrated springnut

Basic protection	Expiry Date	Used in	Patent No.
Pipe clamp with at least one screw to close the clamp characterised in that - in addition to one of the flanges - a hinged member is monolithically formed to and from the clip body. This member is provided with a thread to receive the closing screw. In all solutions the "Hämmer" is an integrated part of the clip body and forms a whole with the steelstrip of which the clamp is made.	Applied for in NL 2031.03.31.		2006504
	Applied PCT 2012.03.30		A 11.02

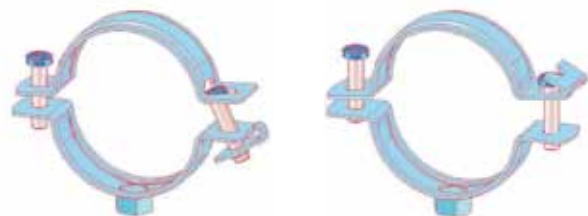
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BISMAT® principle



Flash principle



Spiro / Aero principle

BB principle

Pipe clamp with push screw closing

Basic protection	Expiry Date	Used in	Patent No.
Pipe clamp with one or 2 screws, characterised in that one flange is provided with a retainer element with a hinging half nut which cooperates with a half nut of the clamp flange, so that the screw can be pushed into the closing position.	2031.05.10.		2006755
	Applied PCT 2012.04.26		A 11.03

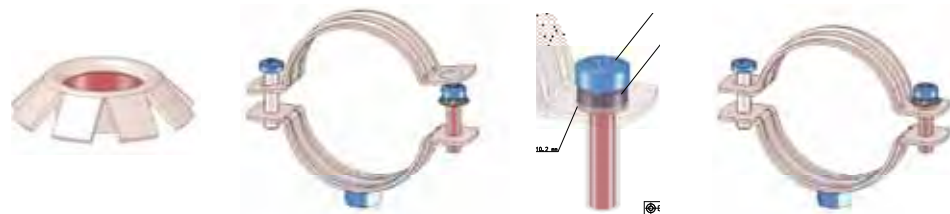
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Screw with spring washer

Basic protection	Expiry Date	Used in	Patent No.
Pipe clamp with at least one screw for closing characterised in that: 1. the closing screw is forming an unit with a spring washer or 2. the spring washer is fixed in the hole of the top flange and allowing the head of the screw to pass the washer from the bottom or 3. the spring washer is formed from the strip of the clamp (if made from spring steel)	Application date 2012.07.02		NL 2009103
			A 12.03

AU	AT	BE	CZ	ES	FR	GE	IT	NL	PL	PT	UK	SV	CH	TR	CA	US	EURAS	CN	HK
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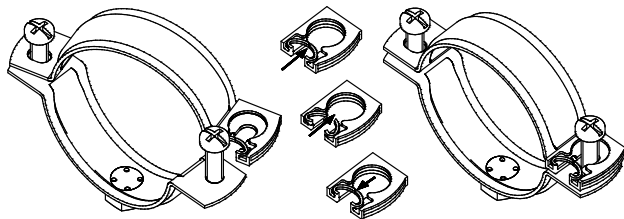


Patents – BIS Fixing Systems (Closing Clamps)

Pipe Clamp with barrier closing

Basic protection	Expiry Date	Used in	Patent No.
Pipe Clamp with on one side a lateral slot and a retaining element characterised in that the retaining element has a barrier, which can swivel away, allowing the shank of the screw to pass and the barrier blocks the opening after that.	Applied for NL 01.07.2010. Applied for PCT 24.03.2011.	-	P30274 A 10.07

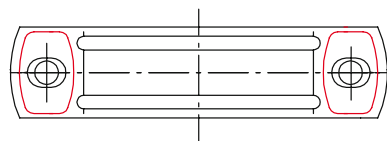
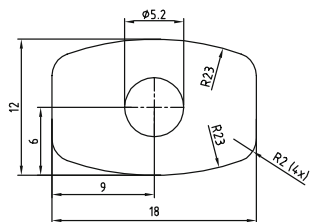
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Securing sticker for closing screw

Basic protection	Expiry Date	Used in	Patent No.
Pipe Clamp closed with 1 or 2 screws in a female thread in a first flange lip characterised in that the second flange is provided with a self adhesive sticker with a small hole and gripping around the shaft of the screw.	Applied for 03.02.2012	-	2008229 A 12.01

AU	AT	BE	CZ	ES	FR	GE	IT	NL	PL	PT	UK	SV	CH	TR	CA	US	EURAS	CN	HK
								X											



Patents – BIS Fixing Systems (Pipe Clamps)

Clamp for UP-waste pipe (rainwater)

Basic protection	Expiry Date	Used in	Patent No.
Pipe Clamp to be clamped to rail, whereby the clamp is provided with means to cling to the rail characterised in that the 2 brackets can be clamped around a rail profile and cling the pipe clamp to the rail. The second claim is that the clinging is realised by the ends of the brackets being hooked into a fixing hole of the rail.	13.05.2022	Wavin Quickstream 599 430 3 XXX	NL1020580 A 02.02

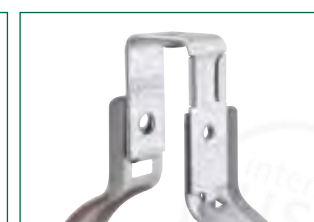
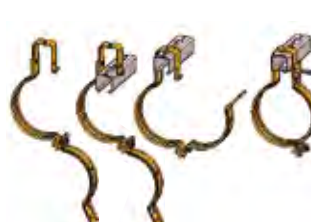
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Clamp for UP-waste pipe (rainwater)

Basic protection	Expiry Date	Used in	Patent No.
Pipe Clamp to be clamped to a (rail)profile comprising of a mainly ring-shaped clamp and a suspension part, which encloses the profile to support the clamp body characterised in that the pipe clamp and the hanger to the profile are 2 separate parts that are connected to each other when in use.	Applied for EU 24.05.2007	Wavin Quickstream 599 431 3 XXX	W02008 143501 A 07.03

AU	AT	BE	CZ	ES	FR	GE	IT	NL	PL	PT	UK	SV	CH	TR	CA	US	EURAS	CN	HK
								X											



Patents – BIS Fixing Systems (Pipe Clamps)

Pipe Clamp with push nut (1st model)

Basic protection	Expiry Date	Used in	Patent No.
Metal pipe clamp with nut to fix to a threaded pin, characterised in that the nut comprises a plurality of segments forming together the female screw thread allowing a male thread to be inserted and fixed into the fixing nut, without a screwing movement.	30.07.2018	-	WO 99/08039
			A 97.09

AU	AT	BE	CZ	ES	FR	GE	IT	NL	PL	PT	UK	SV	CH	TR	CA	US	EURAS	CN	HK
					X	X		X								X			



starQuick® Pipe Clamp – rowing (licence of OBO Bettermann)

Basic protection	Expiry Date	Used in	Patent No.
Pipe Clamp provided with ribs and counterparts to connect 2 or more clamps together characterised in that several ribs are situated above each other and that the cross-section of each rib and counterpart is different.	01.08.2016	starQuick® Pipe Clamps 085 4 XXX 085 5 XXX 085 4 6XX	EP0795708
			SQ04

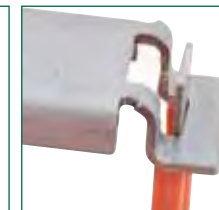
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U-Shape Pipe Hanger

Basic protection	Expiry Date	Used in	Patent No.
U-Shape Pipe Hanger with suspension bracket provided with nut characterised in that the legs of the U-clamp can be hooked into the suspension bracket and at least one of the holes has an elevation part, over which one leg has to be moved to prevent the leg moving to the insert opening again.	12.03.2024	-	EP1460323
			A 02.07

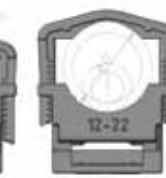
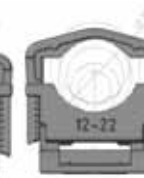
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Pressure clip

Basic protection	Expiry Date	Used in	Patent No.
Clamp existing out of a base and a strap, which are connected together by 2 legs with teeth characterised in that in a pre-assembly state one of the legs of the strap is connected to the base by a hinging connection, which is frangible.	25.02.2031	-	-
			A 11.01

AU	AT	BE	CZ	ES	FR	GE	IT	NL	PL	PT	UK	SV	CH	TR	CA	US	EU	EURAS	CN	HK
																X	X			



Patents – BIS Fixing Systems (Rail & Accessories)

BIS RapidRail® Hammerfix (old model)

Basic protection	Expiry Date	Used in	Patent No.
T-bolt assembly (slide nut, threaded rod, washer, nut) with (plastic) spring to keep the T-bolt under tension slidable to the channel characterised in that plastic spring is flattened when the nut is slightly tightened, so that it lies flat on the top of the rail.	20.11.2016	BIS RapidRail® Hammerfix 652 5 XXX	EP0775838 A 95.03

AU	AT	BE	CZ	ES	FR	GE	IT	NL	PL	PT	UK	SV	CH	TR	CA	US	EURAS	CN	HK
						X		X											



BIS RapidRail® Slide Nut

Basic protection	Expiry Date	Used in	Patent No.
Slide Nut assembly existing of slide nut and plastic spring, which is connected with the slide nut and which keeps the slide nut clamped against the rail. Having 2 "legs" fitting to the free spaces in the nut and fixed to the nut characterised in that the free spaces are bounded to the threaded hole in the slide nut.	DBGM 21.07.2009 21.07.2019	BIS RapidRail® Slide Nut 651 3 XXX	EP0978663 A 98.04

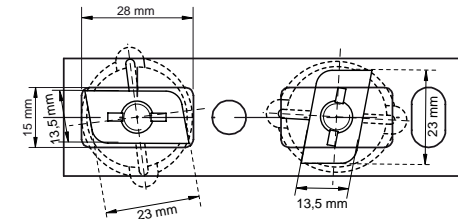
AU	AT	BE	CZ	ES	FR	GE	IT	NL	PL	PT	UK	SV	CH	TR	CA	US	EURAS	CN	HK
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Rail with fixings on both sides

Basic protection	Expiry Date	Used in	Patent No.
Rail system consisting of C-profile and slide bolt (T-bolt) assembly (T-bolt, washer, nut) with a width which is slightly smaller than the slot in the rail characterised in that the holes in the "closed" side of the rail are wider than the width of the slidebolt (T-bolt).	20.03.2020	BIS RapidRail® Fixing Rail WM15 / WM30	EP1039154 A 98.06

AU	AT	BE	CZ	ES	FR	GE	IT	NL	PL	PT	UK	SV	CH	TR	CA	US	EURAS	CN	HK
		X			X	X	X	X			X								



BIS RapidRail® Accessories


Basic protection	Expiry Date	Used in	Patent No.
BIS RapidRail® Accessories (Angled-, T-, X- and Cross Connectors) pre-assembled with bolts, slide nuts and springs to connect C-profile rail pieces together and whereby the slide nut is secured against undesired rotation characterised in that the springs are provided with cams which fit into holes so that the slidebolt (T-bolt) cannot rotate undesirably.	13.03.2020	BIS RapidRail® Accessories 658 4 XXX	EP1039153 A 99.02

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		X		X	X	X		X			X								




Patents – BIS Fixing Systems (Rail & Accessories)

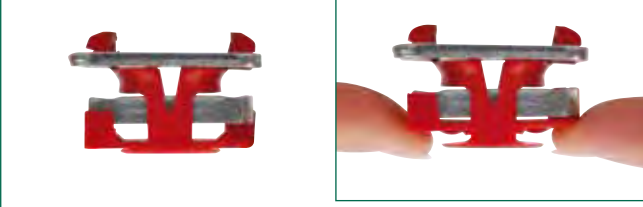
Strut Slide Nut																			
Basic protection										Expiry Date	Used in	Patent No.							
Slide Nut assembly comprising a washer, a spring part connected to the washer and to the slide nut and a slide nut characterised in that the spring part is provided with wedges, which can be forced between slide nut and washer, creating a gap, which allows the flanges of the rail to enter the space between nut and washer when turning the assembly 90 degrees.										Europe: 03.07.2027 USA 07.06.2029	-	EP1876362							
												A 06.07							
AU	AT	BE	CZ	ES	FR	GE	IT	NL	PL	PT	UK	SV	CH	TR	CA	US	EURAS	CN	HK
			X	X	X	X	X	X			X					X			




Slide Nut with spring																			
Basic protection										Expiry Date	Used in	Patent No.							
Slide Nut assembly comprising a slide nut, a locking element, fixed to the slide nut and provided with clamping means to clamp the assembly to the rail characterised in that the clamping means are 2 spring arms which are curved in such a way that the distance between the outer ends of the arms and the slide nut is less than the thickness of the flanges of the rail.										30.05.2025	599 456 7 3XX	EP1607641							
												A 04.01							
AU	AT	BE	CZ	ES	FR	GE	IT	NL	PL	PT	UK	SV	CH	TR	CA	US	EURAS	CN	HK
			X	X	X	X		X											



Spring Nut for Strut Fixing Rail																			
Basic protection										Expiry Date	Used in	Patent No.							
Slide Nut assembly, comprising a slide nut, washer and plastic spring to hold washer and slide nut together whereby the plastic part can be tensioning the slide nut and washer to each other characterised in that the spring part is connected to the slide nut with legs passing through the slide nut, resiliently supporting the slide nut. And in that the flanges of the rail are clamped between washer and slide nut in such a way that they can be moved manually along the rail.										04.07.2026	See also A 05.08	WO 2007 008060							
												A 05.05							
AU	AT	BE	CZ	ES	FR	GE	IT	NL	PL	PT	UK	SV	CH	TR	CA	US	EURAS	CN	HK
	X	X	X	X	X	X	X	X	X		X		X			X		X	





Slide Nut with spring																			
Basic protection										Expiry Date	Used in	Patent No.							
Slide Nut assembly comprising a metal slide nut, a metal washer and a spring, which is fixed to the slide nut with at least one leg characterised in that the spring is on top of the washer and pulls the slide nut in the direction of the washer and that the spring is flexible so that the nut can be turned.										DBGM (Gebrauchsmuster) 14.09.2014	599 651 2 0XX	DE 20 2004 014 441							
												A 04.04							
AU	AT	BE	CZ	ES	FR	GE	IT	NL	PL	PT	UK	SV	CH	TR	CA	US	EURAS	CN	HK
						X													



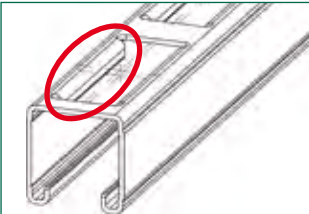


Patents – BIS Fixing Systems (Rail & Accessories)


BIS RapidRail® Slide Nut with springs against the bottom of the slide nut																				
Basic protection												Expiry Date		Used in		Patent No.				
Slide Nut assembly comprising a slide nut and a plastic spring whereby the slide nut has in its thread hole 2 free places to receive the connecting legs of the plastic spring characterised in that the spring elements associated with the legs push the slide nut from the underside.														-		P30273				
																A 10.06				
AU	AT	BE	CZ	ES	FR	GE	IT	NL	PL	PT	UK	SV	CH	TR	CA	EU	US	EURAS	CN	HK
																X	X	X	X	



Strut Rail with fixings on both sides																					
Basic protection											Expiry Date		Used in		Patent No.						
Strut profile characterised in that the fixing holes in the bottom of the rail have bent edges (similar to the bent edges of the slot of the Strut profile).											Applied for 19.05.2010.		-		WO 2011 <u>145921</u>						
															A 10.01						
AU	AT	BE	CZ	ES	FR	GE	IT	NL	PL	PT	UK	SV	CH	TR	CA	US	EU	RU	EURAS	CN	HK
X								X							X	X	X	X		X	






Spring Nut for Strut Profile (variation on A 05.05)																			
Basic protection										Expiry Date	Used in	Patent No.							
Slide Nut assembly comprising of a slide nut, a washer and a plastic part to hold together and that between the plastic part and the bottom of the slide nut there is a spring that the slide nut is clamped between a stop and spring members, and characterised in that the plastic part has one or more spring members supporting the slide nut underneath.										EP 2202416 filed as divisional from A 05.05 on 02.04.2010	WT6523XXX	P27852 EP00							
												A 05.08							
AU	AT	BE	CZ	ES	FR	GE	IT	NL	PL	PT	UK	SV	CH	TR	CA	US	EURAS	CN	HK

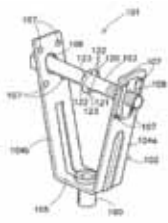



Patents – BIS Fixing Systems (Fixing Accessories)

BIS Roofing Sheet Hanger																			
Basic protection										Expiry Date	Used in	Patent No.							
Roofing Sheet Hanger, consisting of bracket, a provision to connect a threaded rod and a support bar, which is provided with "teeth" and where one end of the bar has a stop so that the arm cannot be pushed out of the hole of a first leg characterised in that the bar fits displaceable in the hole of the second leg.										24.02.2026	BISCLIPS® Rapid RTB 678 1 XXX	EP1700967							
												A 05.01							
AU	AT	BE	CZ	ES	FR	GE	IT	NL	PL	PT	UK	SV	CH	TR	CA	US	EURAS	CN	HK
		X		X	X	X	X	X	X		X								






Roofing Sheet Hanger (see also 05.01)																			
Basic protection										Expiry Date	Used in	Patent No.							
Roofing Sheet Hanger, consisting of a bracket and a supporting bolt characterised in that the bolt fits into a counter fixing element in one of the legs.										29.02.2016 Gebrauchs- muster DE 20 2006 020 773 U1	-	DE202006 020773U1							
												A 05.07							
AU	AT	BE	CZ	ES	FR	GE	IT	NL	PL	PT	UK	SV	CH	TR	CA	US	EURAS	CN	HK
						X													

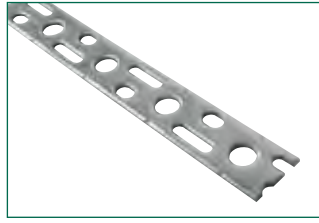
Basic protection										Expiry Date	Used in	Patent No.							
AU	AT	BE	CZ	ES	FR	GE	IT	NL	PL	PT	UK	SV	CH	TR	CA	US	EURAS	CN	HK

Height Adjuster																			
Basic protection										Expiry Date	Used in	Patent No.							
Device for connecting 2 drop rods comprising a first set of nuts of at least 2 different dimensions in a housing and connecting means for connecting the device with the construction characterised in that the device comprises a spring to press the nuts to the insert opening so that the nuts can move between the insert opening and further away.										05.06.2029	-	EP2131083							
												A 08.02							
AU	AT	BE	CZ	ES	FR	GE	IT	NL	PL	PT	UK	SV	CH	TR	CA	US	EURAS	CN	HK
					X	X		X			X								

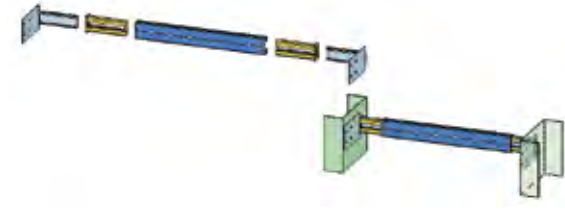


Patents – BIS Fixing Systems (Fixing Accessories)



BIS Eraflex® Strip																			
Basic protection										Expiry Date	Used in	Patent No.							
Long strips of steel provided with a hole pattern characterised in that the strip size and the repeating hole pattern is described precisely (e.g. strip width between 25 and 40 mm; thickness between 1,5 and 4 mm); 1 hole between 10 and 14 mm; a second hole of 8-10 mm and a third hole of 6-8 mm - repeating.-										29.07.2018	BIS Eraflex® Strip 083 5 303	EP0895735							
												A 97.07							
AU	AT	BE	CZ	ES	FR	GE	IT	NL	PL	PT	UK	SV	CH	TR	CA	US	EURAS	CN	HK
						X													





Cross carrier beam with anti-vibration																			
Basic protection										Expiry Date	Used in	Patent No.							
A cross carrier beam for dry wall systems comprising of a beam carrier and 2 end brackets characterised in that the cross carrier beam comprises a vibration isolation member between the cross carrier and the wall support members.										Applied for 27.10.2008	-	US 2010/ 0102187							
												A 08.04							
AU	AT	BE	CZ	ES	FR	GE	IT	NL	PL	PT	UK	SV	CH	TR	CA	US	EURAS	CN	HK



starQuick® Duo-wall Plate																			
Basic protection										Expiry Date	Used in	Patent No.							
Bracket to fix 2 or more pipe clamps characterised in that the bracket has a snap mechanism which snaps into the housing in the pipe clamp.										Plus Finland. 01.02.2022	starQuick® Duo-wall Plate 085 4 600 085 5 000 085 4 300	EP1229282							
												SQ03							
AU	AT	BE	CZ	ES	FR	GE	IT	NL	PL	PT	UK	SV	CH	TR	CA	US	EURAS	CN	HK
		X		X	X		X	X											

Fixing support for a Pipe Clamp																			
Basic protection										Expiry Date	Used in	Patent No.							
Assembly for fixing of a pipe clamp to ceiling or wall, comprising a wall bracket and a piece of C-profile, which is to be fixed to the wall bracket with one end and a coupling provision to attach a pipe clamp to the other end of the C-profile characterised in that the pipe clamp can be fixed on the end of a rail profile.										10.10.2023	-	EP1464881							
												A 02.05							
AU	AT	BE	CZ	ES	FR	GE	IT	NL	PL	PT	UK	SV	CH	TR	CA	US	EURAS	CN	HK
						X		X											

Patents – BIS Fixing Systems (Miscellaneous)

BIS Yeti Roof Support System

Basic protection	Expiry Date	Used in	Patent No.
Support foot for supporting a rail-structure on a flat roof, comprising a base part (foot) with guiding structure and a slidable skid part to hold the rail characterised in that the holding means for the rail comprises a socket, wherein an insert element, which holds the rail, is rotatable.	19.03.2029	BIS Yeti 6768 5 XXX	EP2228501A1 A 09.01

AU	AT	BE	CZ	ES	FR	GE	GR	IT	NL	PL	PT	UK	SV	CH	TR	CA	US	EURAS	CN	HK
	X		X	X	X	X	X	X	X	X	X	X					X		X	



BIS Yeti Roof Support System

Basic protection	Expiry Date	Used in	Patent No.
Support foot for supporting a rail-structure on a flat roof, comprising a base part (foot) with guiding structure and a slidable skid part to hold the rail and in which the holding means for the rail comprises a socket, wherein an insert element, which holds the rail, is rotatable and (divisional patent) characterised in that one of the holding means is supporting the rail in a lying fashion.	19.03.2029	BIS Yeti 6768 5 XXX	P29797EP01 A 09.03

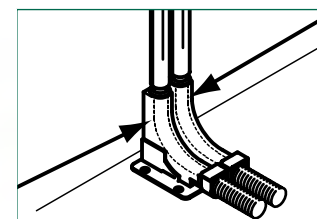
AU	AT	BE	CZ	ES	FR	GE	GR	IT	NL	PL	PT	UK	SV	CH	TR	CA	US	EURAS	CN	HK
			X	X	X	X		X	X	X		X			X		X		X	



BIS Floor Bends

Basic protection	Expiry Date	Used in	Patent No.
A support to guide and support a pipe in a curve having a floor base with a support channel for the pipe characterised in that a top part, which is placed over the floor base has a guide wall for the pipe, where the guide wall is complementary to the support channel.	31.05.2014	BIS Floor Bends 087 2 XXX	EP0627587 A 93.05

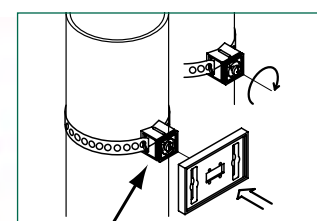
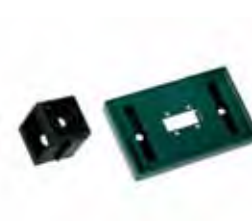
AU	AT	BE	CZ	ES	FR	GE	IT	NL	PL	PT	UK	SV	CH	TR	CA	US	EURAS	CN	HK
					X			X											



BIS IKS-2000®

Basic protection	Expiry Date	Used in	Patent No.
Fixing part, which is connected to a subject (e.g. pipe) with a strip characterised in that both ends of the strip are connected to a moveable part of the tension part and the strip is connected to a housing by this tension part, keeping the part to the subject.	24.02.2018	BIS IKS-2000® 020 0 XXX	EP0862008 A 97.12

AU	AT	BE	CZ	ES	FR	GE	IT	NL	PL	PT	UK	SV	CH	TR	CA	US	EURAS	CN	HK
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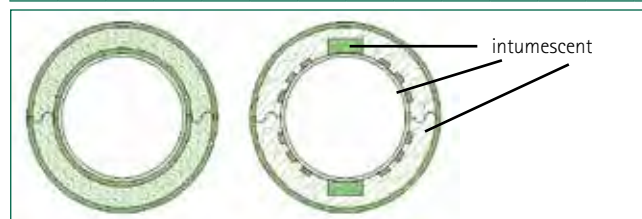


Patents – BIS Fire Protection Systems

BIS Pacifyre® Fire Sleeve with Insulation Shells

Basic protection	Expiry Date	Used in	Patent No.
Fire Sleeve, which has an annular body made from insulating material (e.g. BIS Phenblox®), characterised in that there is a second zone comprising intumescent material which is placed between the pipe and the bore of insulating shell.	26.05.2023	-	EP1374953 A 02.03

AU	AT	BE	CZ	ES	FR	GE	IT	NL	PL	PT	UK	SV	CH	TR	CA	US	EURAS	CN	HK
						X					X								



BIS Pacifyre® Fire Sleeve 2 or more Sleeves coupled together

Basic protection	Expiry Date	Used in	Patent No.
Fire Sleeve characterised in that the steel "coat" exists out of 2 or more parts, coupled together at a distance of each other to stop temperature transfer.	06.02.2026	-	W02006 085753 A 05.02

AU	AT	BE	CZ	DK	ES	FR	GE	IT	NL	PL	PT	UK	SV	CH	TR	CA	US	EURAS	CN	HK
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BIS Pacifyre® Fire Sleeve for Spiral Duct

Basic protection	Expiry Date	Used in	Patent No.
Ducting system for transport of air, made out of metal ducts characterised in that a fire preventing structure is placed on the place of passing the wall, consisting of a BIS Pacifyre® MK II Fire Sleeve and a piece of plastic tube in a place where the metal duct will be interrupted so that the plastic pipe is connected with the metal duct on both sides.	NL; 31.05.2025 DBGM 29.05.2016	BIS Pacifyre® Spiro 216 0 320 XXX	NL1029165 A 05.04

AU	AT	BE	CZ	ES	FR	GE	IT	NL	PL	PT	UK	SV	CH	TR	CA	US	EURAS	CN	HK
						X		X											



BIS Pacifyre® Fire Sleeve with perforation

Basic protection	Expiry Date	Used in	Patent No.
Fire Sleeve characterised in that the steel cover is provided with a perforation following the circumference of the steel cover.	DBGM 31.01.2017	BIS Pacifyre® MK II Fire Sleeves 214 X XXX XXX 215 X XXX XXX	NL1031228 DE 20 2007 0007274 A 06.02

AU	AT	BE	CZ	ES	FR	GE	IT	NL	PL	PT	UK	SV	CH	TR	CA	US	EURAS	CN	HK
						X		X											

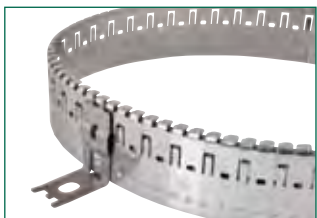


Patents – BIS Fire Protection Systems

BIS Pacifyre® Endless Fire Collar

Basic protection	Expiry Date	Used in	Patent No.
Endless metal strip for intumescent provided with tongues and cut outs characterised in that in the overlap, an outward bended tongue of one end, cooperates with a cut out of the other end to keep the metal strip closed. 2 nd and 3 rd claim: characterised in that an attachment bracket cooperates with protusions on the edge of the metal strip and successive segments are separated by a weakening line.	Applied for 01.03.2010. Patent pending in Europe.	BIS Pacifyre® EFC	EP2372207 A 10.03

AU	AT	BE	CZ	ES	FR	GE	IT	NL	PL	PT	UK	SV	CH	TR	CA	US	EURAS	CN	HK
					X	X		X	X		X	X				X	X		

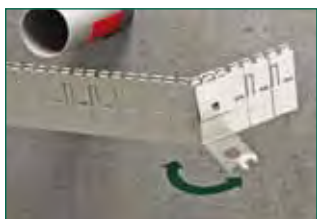


BIS Pacifyre® Endless Fire Collar

Basic protection	Expiry Date	Used in	Patent No.
Combination of endless fire collar as described in 10.03 and fixing bracket characterised in that the side edge of the bracket is positioned over one of the weakening lines, which allows to break the strip by using the bracket.		BIS Pacifyre® EFC	EP2397738 A 10.08

Patent is applied as division of A 10.03.

AU	AT	BE	CZ	ES	FR	GE	IT	NL	PL	PT	UK	SV	CH	TR	CA	US	EU	EURAS	CN	HK
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BIS Pacifyre® Endless Fire Collar

Basic protection	Expiry Date	Used in	Patent No.
Metal casing strip with a weakening line between successive segments and a bracket (which can also be used to fix the fire collar) characterised in that the strip can be bended and broken along the edge of the bracket.	Applied for 10.2012.	BIS Pacifyre® EFC	 A 10.09


Patent is applied as division of A 10.03.

AU	AT	BE	CZ	ES	FR	GE	IT	NL	PL	PT	UK	SV	CH	TR	CA	US	EU	EURAS	CN	HK
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Patents – BIS Sanitary Systems

Ambiance by Walraven																				
Basic protection											Expiry Date		Used in		Patent No.					
False wall on a distance from a rear wall, comprising a frame and covering panels, characterised in that beneath the floor profile is arranged an underlay profile (rubber or plastic).											Applied for 21.02.2008		-		<u>WO2008 108629</u>					
															A 07.01					
AU	AT	BE	CZ	ES	FR	GE	IT	NL	PL	PT	UK	SV	CH	TR	CA	US	EU	EURAS	CN	HK
	X				X	X		X					X				X			



PCT: WO 2009/017391 Foam casing for pre-wall systems																			
Basic protection										Expiry Date	Used in	Patent No.							
Type of pre-wall frame for a sanitary device characterised in that the built-in system comprises a casing made of constructional foam, covering front, top and sides of the frame.										Applied for 01-08-2007 PCT; countries to be designated	-	WO2009 017391							
												A 07.06							
AU	AT	BE	CZ	ES	FR	GE	IT	NL	PL	PT	UK	SV	CH	TR	CA	US	EURAS	CN	HK



Expired Patents – BIS Fixing Systems

Mengering® Max Pipe Connector			
Basic protection	Expiry Date	Used in	Patent No.
Pipe Connector with clamping rings characterised in that the steel connector has free space to receive the clamping ring.	2004	-	Walr 58

BIS RapidRail® Slide Nut – see also A 98.04			
Basic protection	Expiry Date	Used in	Patent No.
Slide Nut assembly existing of Slide Nut and plastic spring characterised in that the Slide Nut has in its thread hole 2 free places to receive the connecting legs of the plastic spring.	31.07.2009	-	Walr 70

Strip as packing for a number of Pipe Clips			
Basic protection	Expiry Date	Used in	Patent No.
Strip made of plastic, carton etc. characterised in that the plane end has one or more holes to fix parts.	April 2005	-	BIS 19

Installation frame			
Basic protection	Expiry Date	Used in	Patent No.
Rectangular installation frame from profiles characterised in that it is adjustable in all 3 directions.	30.11.2009	-	Walr 68

Pipe Clamp with push nut (2 nd model)			
Basic protection	Expiry Date	Used in	Patent No.
Metal Pipe Clamp with push nut (see A 97.09) characterised in that the male thread can be secured against turning (plastic lock or small female thread).	31.03.2010 in FR, GE and NL	-	EP1039196

Security rapid lock			
Basic protection	Expiry Date	Used in	Patent No.
Pipe Clamp, closing with 2 or 4 flanges, of which one flange has a slot to take a clamping screw, characterised in that an elevation is made, which secures the bolt head from leaving the slot.	19.04.2004	-	846550

Tipp Closing			
Basic protection	Expiry Date	Used in	Patent No.
Pipe Clamp, closing with 2 or 4 flanges, of which one flange has a slot to take a clamping screw. The clamping screw enters the slot by spring action, characterised in that the clamping nut is held by a plastic part, which is connected to the flange by 2 "pins" or 2 "spacers", which are fixed over the sides of the flange.	31.03.2009	-	906579

Expired Patents – BIS Fixing Systems

Duplo KS			
Basic protection	Expiry Date	Used in	Patent No.
Bracket with slotted hole and with clamps with 2 flanges to be fixed to the bracket with a screw, characterised in that the clamps can be opened by hinging and with one of the flanges with side edges suitable to push pre-assembled over the leg of the bracket and provided with a self cutting screw.	2004	-	925139

Slide lining (BISMAT® 5000)			
Basic protection	Expiry Date	Used in	Patent No.
Pipe Clamp with rubber lining, of which one side provided with noise absorbing ribs and the other side smooth, characterised in that the side with the ribs is directed towards the clamp band.	31.03.2009	-	906580

Spacer ring			
Basic protection	Expiry Date	Used in	Patent No.
Pipe Clamp with flanges and clamping screw, characterised in that a slotted spacer ring can be clipped on and removed from the shank of the clamping screw between the flanges.	28.02.2009	-	926568

Rubber Lining for BIS Cu-FiX®			
Basic protection	Expiry Date	Used in	Patent No.
Combination of slide clamp and fix point clamp with vibration absorbing material between the 2 clamps characterised in that the rubber lining for both clamps is made out of one piece.	03.2010	BIS Cu-FiX® 336 8 XXX	EP0857907

Micromat®			
Basic protection	Expiry Date	Used in	Patent No.
Pipe Clamp with rubber lining (closing similar to tipp - see 89.1), characterised in that the clamping nut holds in a rubber housing, which is formed integrally with the rubber lining.	08.05.2011	-	926563

B1 – Clamping fix (Threaded Connector)			
Basic protection	Expiry Date	Used in	Patent No.
Fixing part to be placed between the flanges of a pipe clamp of the one band type, which part is for fixing the clamp to wall or ceiling, characterised in that the sides of the fixing part grip over the band of the clamp.	2003	-	915152

BISMAT® Hammer with push screw (Marky)			
Basic protection	Expiry Date	Used in	Patent No.
Spring Nut to push screw through characterised in that the Spring Nut is provided with 2 projections, which can be pressed by finger to release the screw from the nut.	01.2004	-	A00-65008

BISMAT® Pipe Clamp Closing			
Basic protection	Expiry Date	Used in	Patent No.
Pipe clamp provided with a swinging clamping screw characterised in that the clamping screw is part of an angle piece, of which the angle piece one end is held inside the clamp by the rubber lining.	27.10.2004	-	BIS 5

Perforated Support Shell			
Basic protection	Expiry Date	Used in	Patent No.
A suspension for a horizontal pipe consisting of a pipe clamp and a Support Shell characterised in that the support shell has a pattern of perforations.	25.02.2014	-	946534

BIS Cu-FiX®			
Basic protection	Expiry Date	Used in	Patent No.
A method of fastening a pipe in a horizontal position to the ceiling in a shock and sound absorbing manner, consisting of a slide clamp fixed and a fix point characterised in that the fix point is made by 2 clamps on both sides of the slide clamp and vibration absorbing material between the slide clamp and the fix point clamps.	2004	-	940554

Polymat®			
Basic protection	Expiry Date	Used in	Patent No.
Pipe Clamp, hinge on one side, hinged clamping screw (tipp like-see 89.1) on the other side characterised in that the clip body is made of plastic and one flange having a column to take a self-tapping screw and this flange connected to the clip body with a thinner part, so that the flange can hinge.	2004	-	940338

Q-Clip			
Basic protection	Expiry Date	Used in	Patent No.
Pipe Clamp of the one band type, of which one flange has a block suitable for fixing the clamp to the wall and the other flange provided with a connecting pin, which goes into the block, characterised by 2 connecting pins which cooperate with a locking tongue to fix both flanges together.	2003	-	966559

Expired Patents – BIS Fixing Systems

Pre-assembled angle pieces for fixing to rail			
Basic protection	Expiry Date	Used in	Patent No.
Accessories made of flat strip with bolts and slide nut for fixing to a rail, strip provided with projections to which the slide nut is fixed characterised in that the slide nut is kept in its place due to pre-tension (spring).	12.2004	-	986513

Klik-konsole			
Basic protection	Expiry Date	Used in	Patent No.
Cantilever Arm, existing of a wall bracket and an arm with a slot over the full length characterised in that this slot is formed by an upstanding sides of a steel strip in a U-shape and hooks into a hole in the bracket.	2004	-	986583

Kind of Leifeld rail (former OBO)			
Basic protection	Expiry Date	Used in	Patent No.
Steel strip with hole pattern characterised in that the slotted holes with "wave"-shape are placed in a certain pattern.	19.11.2008	-	GM10072DE00/CHO

Mengering® with intumescent			
Basic protection	Expiry Date	Used in	Patent No.
Mengering® Sleeve characterised in that the intumescent is included.	16.12.2010	-	A00-60051

Strut Tool			
Basic protection	Expiry Date	Used in	Patent No.
Fixing tool characterised that it is used to fix a Slide Nut with metal spring and characterised that a slide foot is brought on top of the spring.	11.11.2022	-	A02-50104

Strut sliding foot for Spring Nut			
Basic protection	Expiry Date	Used in	Patent No.
Fixing tool that it is used to fix a slide nut with metal spring and characterised in that the end of the spring is provided with a sliding foot (this application includes former 02.08).	29.10.2023	-	A02-30052

Reversible Sleeve (Mengering®)			
Basic protection	Expiry Date	Used in	Patent No.
Sleeve for cast-iron pipe, characterised in that before assembling of the second pipe the sleeve is folded down and put back over the second pipe.	26.09.2011	-	A02-65050

Beam Clamping System			
Basic protection	Expiry Date	Used in	Patent No.
1. Beam clamp for clamping a profile to a beam by using a pressure plate characterised in that the pressure plate is fixed to the beam clamp indissoluble. 2. Set of 2 beam clamps and a piece of C-profile, all assembled together.	31.03.2010	BIS Rail WMO / WM1 „Light Duty“ Set 607 0 XXX 607 1 XXX	NL1028517

Profile Clamp			
Basic protection	Expiry Date	Used in	Patent No.
Pipe Clamp suitable for use with a rubber lining characterised in that the place for the rubber lining is flanked by at least 1 rib. The pipe will rest on the top of the rib when no rubber lining is used. When rubber lining is used the surface of this lining will just pop out above the top of the rib.	16.05.2008	-	P28865NL00

Plastic cased Suspension Band			
Basic protection	Expiry Date	Used in	Patent No.
Plastic cased metal Suspension Band characterised in that the perforations are partly covered with the plastic casing and that the hole in the plastic is smaller than the fixing screw.	09.06.2009	-	P28399NL00

Fixing accessory for clamps			
Basic protection	Expiry Date	Used in	Patent No.
Piece of male thread that is fixed to the wall by a standard wood screw.	28.02.2009	-	P28134NL00

Fixing for hydraulic clips			
Basic protection	Expiry Date	Used in	Patent No.
Fixing part for the fixing of 2-bolt hydraulic clips (Stauf) to rail consisting of special bracket with slide nut.	2007	-	P27377NL00

Thread Adapter			
Basic protection	Expiry Date	Used in	Patent No.
Thread Adapter to be fixed around a threaded rod characterised in that the adapter is provided with fixing means in such a way that the fixed object keeps both parts together.	04.08.2024	-	P27368NL00

Expired Patents – BIS Fixing Systems

starQuick® Pipe Clamp			
Basic protection	Expiry Date	Used in	Patent No.
MODEL PROTECTION – a set of drawings of starQuick® has been filed with the German patent office.	16.01.2006	-	13657/01

Universal foot			
Basic protection	Expiry Date	Used in	Patent No.
Pipe Clamp as per general description for starQuick® characterised in that the fixing hole is made in a such a way that the barrel of a fixing gun be placed into the fixing hole and that the barrel is surrounded by the fixing hole (foot for gas pistol).		-	P28768NL00

starQuick® Rail Adaptor			
Basic protection	Expiry Date	Used in	Patent No.
Fixing part to fix a pipe clip self clamping to a rail, engaging on the rail with flanges in a clamping manner characterised in that the fixing part is provided with an integral provision to connect the clip by rotation.	12.12.2011 (terminated in all countries)	-	EP1470340B1

Sprinkler Hanger with special nut			
Basic protection	Expiry Date	Used in	Patent No.
Pipe Hanger comprising a support element, a carrier strip and a retainer ring with spacer body characterised in that the end of the carrier strip has a hook to hooking onto the retainer ring and strip and ring are movable in axial direction for coupling / uncoupling the strip from the retainer ring.	12.12.2011 (application withdrawn)	-	P30243

BISMAT® 1000			
Basic protection	Expiry Date	Used in	Patent No.
A method for fastening a pipe to a wall in a vertical position, wherein a pipe clamp (BISMAT® SL) with rubber lining is applied around the pipe and fastened to the supporting wall, characterised in that the pipe is loosely received within the pipe clamp (BISMAT® SL) and that the pipe is supported by means of another pipe clamp (BISMAT® SX) functioning as a collar and which is unslidably fixed to the pipe. The clamp SX resting onto the upwardly facing edge of the fastening clamp (SL) which is provided with noise absorbing ribs on the edges.	31.08.2012	BISMAT® 1000 336 3 XXX	EP0582354

Fixing element for perforated suspension band			
Basic protection	Expiry Date	Used in	Patent No.
Fixing element for 2 ends of a loop, made of perforated suspension band, having one pin to hold the band to the element characterised in that the element has a second pin, which is of a ratchet type and will secure the suspension band to the element.	Applied for 11.01.2012	BISMAT® 1000 336 3 XXX	Reference EP&C P 30984NL00

Expired Patents – BIS Fire Protection Systems

BIS Pacifyre® Fire Sleeve with crushing points			
Basic protection	Expiry Date	Used in	Patent No.
Fire Sleeve characterised in that it is provided with dent making means, which make dents in the pipe to simplify the crushing of the pipe.	20.07.2007	-	A01-50034

Expired Patents – BIS Sanitary Systems

Planning module for bathrooms			
Basic protection	Expiry Date	Used in	Patent number
Elements for the design of a bathroom with magnet fixing characterised in that the elements are 3 dimensional.	04.2005	-	Walr 76a

VariClo®			
Basic protection	Expiry Date	Used in	Patent number
Construction for the fixing of a sanitary element, allowing for height adjustability characterised in that there are various claims, of which of the most important is the cover plate between WC and wall.	31.08.2008	-	P28342NL00

Wall bracket for bath tubs			
Basic protection	Expiry Date	Used in	Patent number
2-part wall bracket to keep a bath to the wall characterised in that the parts gear into one another to reach a variable distance between wall and clamp.	21.03.2003	-	A00-60007

Trademarks – Background information

A trademark is a sign that enables consumers to identify products and/or services with a particular company or to distinguish them from similar products or services. You can protect your trademark through registration. In this way, you will not only keep a competitive edge over your competitors, but you will also bolster your trademark against illegal infringements by third parties.

You can register all relevant properties of the trademarks in question, such as its name, design, logo, packaging, colour and typeface. In the first place, trademarks are associated with words (sometimes in characteristic notation), a logo or a combination of the two. It is also possible to register for example colours, colour combinations, product or packaging shapes as trademarks / brands.

Registering your trademark at for example the Benelux Office for Intellectual Property (BOIP), the European Trademark Office (OHIM) or any other country gives you the exclusive right to use the trademark for certain products and services within that country for an extendable period of 10 years. The exclusive right to a trademark is everlasting once it has been registered and the fee is paid. Therefore, the only way of obtaining the full right over a trademark is by registering it.

Note:

Many of the Walraven brand names are officially registered without the prefix "BIS". Our corporate identity however requires a spelling with "BIS".

For correct spelling of our brand names, please see the Corporate Identity section of WalravenPlaza.

In order to maintain this exclusive right you must:

- be able to prove you have used the brand in the last 5 years in the market of protection;
- renew the registration in good time.

Searching

If you introduce a product without investigating in advance whether its trademark is free and available, you may run into undesirable situations. After all, nobody likes to withdraw his or her name!

In order to prevent problems, it is recommended to investigate in advance whether the trademark / brand you have in mind may be used.

Trademarks at Walraven

Late 2012 we introduced a Trademark Committee at Walraven Holding. This committee, consisting of Pelle van Walraven (Chairman), Oswald Lindner (Sales and Marketing), Frank Nijdam (Product Marketing) and Bert Sedee (trademark expertise) will meet 2 times a year. Main tasks will be to decide on what new product or company names to seek protection by way of a trademark, what trademarks to upkeep in which countries and act upon infringements on our trademarks. Bert – in close co-operation with our Trademark Attorney – will be responsible for all activities involving application, administration and infringements against our trademarks.

Walraven Trademarks


Catchword	Type	Country	Classes	Reg. No.	Reg. Date	Renewal Date	Status
	Device	BX	06, 17	657208	10.09.1999	10.09.2019	Registered
	Device	AT, DE, FR, IT (WO)	06, 17	732040	24.02.2000	24.02.2020	Registered
BIS Aero®	Wordmark	EU	06, 19, 20	8136566	14.11.2009	14.03.2019	Registered
BIFIX®	Wordmark	BX	06, 20	556499	21.12.1994	21.12.2014	Registered
BIFIX®	Wordmark	GB	06, 20	2103757	27.06.1996	27.06.2016	Registered
BIFIX®	Wordmark	SE	06, 20	323314	09.05.1997	09.05.2017	Registered
BIFIX®	Wordmark	AT, CH, CZ, DE, FR, HU, IT, PL, PT, RU (WO)	06, 20	642720	28.08.1995	28.08.2015	Registered
BIS	Wordmark	BX	06, 17, 19, 20	562107	12.01.1995	12.01.2015	Registered
BIS	Wordmark	EU	06, 19, 20	5710389	26.09.2008	23.02.2017	Registered
BIS	Wordmark	AT, AU, CN, DE, RU, TR (WO)	06, 17, 19, 20	637521	09.05.1995	09.05.2015	Registered
 BIS	Logotype	EU	06, 19, 20	6359426	21.11.2008	12.10.2017	Registered
 BIS	Logotype	RU, TR, CN, (WO)	06, 19, 20	1006540	26.05.2009	26.05.2019	Registered
 BIS	Logotype	EU	01, 06, 37	6359491	24.11.2008	12.10.2017	Registered
 BIS	Logotype	RU, CN, UA (WO)	01, 06, 37	1038173	16.04.2010	16.04.2020	Registered
 BIS	Logotype	EU	06, 11, 19	6359566	14.11.2008	12.10.2017	Registered
 BIS	Logotype	RU, CN, UA (WO)	06, 11, 19	1039546	16.04.2010	16.04.2020	Registered
	Logotype	EU	06, 11, 19, 20	6359269	14.11.2008	11.10.2017	Registered
	Logotype	RU, TR, UA (WO)	06, 11, 19, 20	1010418	26.05.2009	25.05.2019	Registered
BISCLIPS®	Wordmark	EU	06, 19, 20	4169777	20.01.2006	14.12.2014	Registered
BISCLIPS®	Wordmark	RU (WO)	06, 19, 20	952357	15.01.2008	15.01.2018	Registered
BISKID 	Device	EU	06, 17, 19	592071	26.04.1999	16.06.2017	Registered

Walraven Trademarks

Catchword	Type	Country	Classes	Reg. No.	Reg. Date	Renewal Date	Status
BISKON®	Wordmark	EU	06, 11, 19	6637862	07.01.2009	04.02.2018	Registered
BISKON®	Wordmark	HR, RU, UA (WO)	06, 11, 19	972473	25.02.2008	25.02.2018	Registered
BISMAT®	Wordmark	CH, CN (WO)	06, 17, 20	570785	07.01.1991	07.01.2021	Registered
BISMAT®	Wordmark	EU	06, 09, 20	2006187	25.03.2002	19.12.2020	Registered
BISMAT®	Wordmark	RU (WO)	06, 09, 20	956131	15.01.2008	15.01.2018	Registered
BISMAT®	Wordmark	EU	06, 11, 20	2250629	14.06.2002	11.06.2021	Registered
BISMAT®	Wordmark	US	06, 20	3826893	03.08.2010	03.08.2020	Registered
BISMAT®	Wordmark	AU, TR (WO)	06, 11, 20	993507	14.01.2009	14.01.2019	Registered
BISMAT®	Wordmark	DE	06, 11, 17, 20	1093806	11.07.1986	23.10.2014	Registered
BISMAT®	Wordmark	GB	06, 11, 17, 20	2006594	31.10.1994	31.10.2014	Registered
BISOCON®	Wordmark	BX	06, 17, 20	565360	04.07.1995	04.07.2015	Registered
BISOCON®	Wordmark	AT, CZ, DE, FR, IT (WO)	06, 17, 20	639972	05.07.1995	05.07.2015	Registered
BISOFIX®	Wordmark	BX	06, 20	565359	04.07.1995	04.07.2015	Registered
BISOFIX®	Wordmark	AT, CZ, DE, FR, IT (WO)	06, 20	639971	05.07.1995	05.07.2015	Registered
CAD-FIX®	Wordmark	EU	09	1207943	04.09.2000	16.06.2019	Registered
CORFIX	Wordmark	AT, CZ, DE, FR, HU, PL, SI (WO)	06, 20, 35	633532	16.02.1995	16.02.2015	Registered
dB-Fix®	Wordmark	BX	06, 20	588107	11.06.1996	11.06.2016	Registered
dB-Fix®	Wordmark	EU	06, 20	5710421	17.04.2008	23.02.2017	Registered
dB-Fix®	Wordmark	CH, CZ, DE, ES, FR, HU, IT (WO)	06, 20	661118	08.08.1996	08.08.2016	Registered
Fluisterbeugel	Wordmark	BX	06, 20, 35	564933	15.02.1995	15.02.2015	Registered
ERAFLEX	Logotype	AT, BX, DE, FR, HU, IT, LI, PT (WO)	09, 11, 17, 19	299415	29.06.1965	29.06.2015	Registered
Hammerfix®	Wordmark	EU	06, 20	1113026	29.05.2002	22.03.2019	Registered
Hammerfix®	Wordmark	DE	06, 20	39649453	13.11.1996	30.11.2016	Registered

Catchword	Type	Country	Classes	Reg. No.	Reg. Date	Renewal Date	Status
IKS-2000®	Wordmark	CH (WO)	06, 07, 09, 20	730149	03.12.1999	03.12.2019	Registered
IKS-2000®	Wordmark	EU	06, 20, 40	5595624	15.01.2008	03.01.2017	Registered
Klack®	Wordmark	AT, CH, CZ, DE, FR, HU, IT, PL (WO)	06, 20	623557	27.07.1994	27.07.2014	Registered
Mengering®	Wordmark	EU	06, 17	1788108	10.01.2002	02.08.2020	Registered
Mengering®	Wordmark	DE	17	703710	21.06.1957	25.10.2016	Registered
Mengering® Rapid	Wordmark	DE	06, 17	1074821	13.03.1985	20.06.2014	Registered
Micromat®	Wordmark	BX	06, 20	532050	08.09.1993	08.09.2013	Registered
Micromat®	Wordmark	AT, CH, CZ, DE, ES, FR, HU, IT, PL, (WO)	06, 20	608423	08.09.1993	08.09.2013	Registered
Pacifyre®	Wordmark	EU	06	2704203	01.09.2003	21.05.2022	Registered
Pacifyre®	Wordmark	TR	01, 06, 37	200710093	01.03.2007	01.03.2017	Registered
Pacifyre®	Wordmark	CA	01, 06, 37	TMA791.110	18.02.2011	18.02.2026	Registered
Pacifyre®	Wordmark	EU	01, 06, 37	6580484	11.12.2008	15.01.2018	Registered
Pacifyre®	Wordmark	US	01, 06, 37	3649410	07.07.2009	07.07.2019	Registered
Pacifyre®	Wordmark	AU, BA, CH, CN, HR, RU, UA, RS (WO)	01, 06, 37	957257	04.03.2008	04.03.2018	Registered
Phenblox®	Wordmark	GB	17	1530680	29.04.1994	23.03.2020	Registered
Polymat®	Wordmark	BX	06, 20	532049	08.09.1993	08.09.2013	Registered
Polymat®	Wordmark	EU	06, 20	-	-	-	Pending
Polymat®	Wordmark	AT, CH, DE, FR, IT (WO)	06, 20	608422	08.09.1993	08.09.2013	Registered
Rapido	Wordmark	BX	06, 20	604887	17.03.1997	17.03.2017	Registered
Rapido	Wordmark	DE	06, 20	30156443	18.02.2002	21.09.2011	Registered
RapidRail®	Wordmark	EU	06, 19, 20	1400589	14.05.2001	25.11.2019	Registered

Walraven Trademarks

Catchword	Type	Country	Classes	Reg. No.	Reg. Date	Renewal Date	Status
RapidRail®	Wordmark	CA	06, 19, 20	797221	11.05.2011	11.05.206	Registered
RapidRail®	Wordmark	US	06, 19, 20	77/449056	01.09.2009	01.09.2019	Registered
RapidRail®	Wordmark	AU, RU (WO)	06, 19, 20	960548	08.04.2008	08.04.2018	Registered
RapidStrut®	Wordmark	AU	06, 19, 20	824998	23.02.2000	23.02.2020	Registered
RapidStrut®	Wordmark	CA	06, 19, 20	TMA768280	01.06.2010	01.06.2025	Registered
RapidStrut®	Wordmark	EU	06, 19, 20	6582332	07.01.2009	15.01.2018	Registered
RapidStrut®	Wordmark	US	06, 19, 20	3766066	30.03.2010	30.03.2020	Registered
RapidStrut®	Wordmark	AT, CH, CN, CZ, DE, DK, ES, FI, FR, GB, HU, IT, PT, RU, SE, SK, TR (WO)	06, 19, 20	729944	09.02.2000	09.02.2020	Registered
 raywal	Logotype	EU	01, 06, 11, 20	9689555	05.07.2011	27.01.2021	Registered
Silenclic	Wordmark	EU	06, 20	689455	11.06.2001	26.11.2017	Registered
starQuick®	Wordmark	EU, US, AU, BG, BY, CH, CN, HU, MA, NO, PL, RU, RO, SG, SK, SL, TR, UA	06, 19, 20	786466	04.02.02	04.02.12	Registered
Twinlok®	Wordmark	GB	06	1323500	15.09.1989	08.10.2018	Registered
BIS UltraProtect	Wordmark	EU	02, 37, 40	-	-	-	Pending
BIS Vario®	Wordmark	EU	07, 10, 11	9372111	29.03.2011	14.09.2020	Registered
VariClo®	Wordmark	BX	07, 10	673200	29.10.1999	29.10.2019	Registered
VariClo®	Wordmark	EU	07, 10, 11	8704942	14.09.2010	23.11.2019	Registered
Walkon®	Wordmark	BX	06	562022	12.01.1995	12.01.2015	Registered
Walkon®	Wordmark	DE, FR (WO)	06	640724	20.07.1995	20.07.2015	Registered
Walraven	Wordmark	BX	06, 17, 19, 20	563298	12.01.1995	12.01.2015	Registered
Walraven	Wordmark	EU	06, 17, 19	592014	03.05.1999	16.06.2017	Registered
Walraven	Wordmark	GB	06, 17, 19, 20	2039555	03.10.1995	03.10.2015	Registered

Catchword	Type	Country	Classes	Reg. No.	Reg. Date	Renewal Date	Status
Walraven	Wordmark	AT, CH, CN, CZ, DE, ES, FR, HU, IT, PL, PT, SK (WO)	06, 17, 19, 20	639973	06.07.1995	06.07.2015	Registered
Walraven	Wordmark	US	06, 19, 20	3571135	10.02.2009	10.02.2019	Registered
Walraven	Wordmark	BX	06, 19, 20	818207	27.02.2007	23.02.2017	Registered
Walraven	Wordmark	AU, LB, RU, TR, UA (WO)	06, 19, 20	921044	14.03.2007	14.03.2017	Registered
Walraven	Wordmark	EU	01, 06, 11, 19, 20	7505951	22.08.2009	09.01.2019	Registered
 walraven	Logotype	CA	01, 06, 11, 19, 20	-	-	-	Pending
 walraven	Logotype	EU	01, 06, 11, 19, 20	9689472	05.07.2011	27.01.2021	Registered
 walraven	Logotype	US	01, 06, 19, 20	-	-	-	Pending
 walraven	Logotype	CN, HR, NO, RS, RU, TR, UA (WO)	01, 06, 11, 19, 20	1102336	12.01.2012	24.03.2021	Registered
Walraven in Chinese char. (Wo lei wen)	Logotype	CN	01, 06, 17, 19, 20	-	-	-	Pending
Walraven in Chinese char. (Wo rui wen)	Logotype	CN	01, 06, 17, 19, 20	-	-	-	Pending
 BIS	Device	BX	06, 20	335574	16.04.1975	16.04.2015	Registered
 W	Device	BX	16, 17, 19, 20	562023	12.01.1995	12.01.2015	Registered
 W	Device	EU	06, 17, 19	592410	26.04.1999	16.06.2017	Registered
 W	Device	GB	06, 17, 19, 20	2039547	03.10.1995	03.10.2015	Registered
 W	Device	SE	06, 20	332217	06.08.1999	06.08.2009	Registered
 W	Device	AT, CH, CN, CZ, DE, ES, FR, HU, IT, PL, PT, SK, TR, RU, AU, LB (WO)	06, 17, 19, 20	640370	11.07.1995	11.07.2015	Registered
BIS Yeti®	Wordmark	EU	06, 19, 20	8136756	13.11.2009	04.03.2019	Registered

Design Protection

A design is the appearance of a product or a part thereof that is new and has an individual character. The appearance results from the lines, the contours, the colours, the shape, the texture or the materials of the product itself. The model may not be older than one year; after that period protection becomes impossible.

Drawings or designs qualify as a design. A drawing is two-dimensional (think of the pattern and colouring on wallpaper). A design is three-dimensional (for example the design of a pipe clamp or a fire sleeve).

The owner of a design can protest against (and if successful stop) the use of products with the same occurrence as his registered design. Exploitation of products made before registration will be unsuccessful: the "pre-user" may continue to exploit (sell) his products. It is not possible to protect those elements of the appearance that can be protected by way of a patent.

Registering a design gives you an exclusive right for a period of five years, which can then be extended for four consecutive periods to a maximum of 25 years.

Catchword	Picture	Country	Reg. No.	Reg. Date	Renewal date
Fire Sleeve with perforation		EU, US, CN, RU	000790480-0001	17.09.2007	17.03.2014
Wavin Quickstream® Clamp		EU, US, CN, RU	000790480-0002	17.09.2007	17.09.2032
Fastening Component		BX, AT, DE, FR, IT, US	732040	24.08.2004	24.08.2018
Pipe Clamp profile		EU, US, CN	000790480-0003	17.09.2007	17.09.2032

Catchword	Picture	Country	Reg. No.	Reg. Date	Renewal date
Mole for foam casing		EU	001032957-0001/0002	03.11.2008	30.11.2013
Pipe Clamp with coloured lining		International Design Application. FR, DE	DM/014130	30.10.1989	20.07.2014
Pipe Clamp with green lining		International Design Application. BX, IT, CH	DM/030343	04.08.1994	04.08.2014
Strut Cable Clamp		EU, US	1585498-0001	17.07.2009	17.07.2014
VariClo®		BX	33557-00	30.03.2001	30.03.2016
Floor Bend		BX	35082-00	04.07.2003	23.08.2017
BIS Yeti Roof Support System		EU	001657719	18.01.2010	18.01.2015
BIS RapidStrut® Slide Nut		US	USD494887	24.08.2008	24.08.2018

Document Modifications

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