

Title (en)
UNIVERSAL CONNECTION

Title (de)
UNIVERSAL-VERBINDUNG

Title (fr)
RACCORD UNIVERSEL

Publication
EP 1247025 A2 20021009 (DE)

Application
EP 00993277 A 20001201

Priority
• DE 29921179 U 19991203
• DE 10020833 A 20000428
• EP 0012069 W 20001201

Abstract (en)
[origin: WO0140666A2] The invention relates to a universal connection that is useful as tube connection for tube systems, especially in the food branch and in medical technology as well as in natural and town gas systems, which guide gaseous or liquid media and are charged with high pressures and as a connection for fixing or anchoring hollow and solid profiles, plates, ropes, railings, braces, units and the like to each other or to bottoms, walls and ceilings of each kind. The inventive connection can be produced and assembled in a cost-effective manner and can easily be dismantled and reused in the case of repairing. Said connection is characterised by a cylinder that is embodied as a round hollow profile (20), a sleeve (26, 27, 28) and/or a round solid profile (29) and has moulded inner and outer collar surfaces (24, 25). Rings (30) and straining rings (40) are alternately and independently from each other lined up on said surfaces and are axially screwed with ring nuts (50) and radially push said rings (30) inwards or outwards or simultaneously outwards and inwards on an inner and/or outer chamfer (41, 42) of the straining rings (40) and twist said rings (30) against a wall (60) of the hollow chamber or against a body (70) by means of an axial pressure of the ring nuts (50) against the collar surfaces (24, 25), whereby universal connections are produced by any combination with sealings (90), pressure sleeves (44), sleeves (80), hinge components (100), bearings (120) and shafts (130), etc.

IPC 1-7
F16B 1/00

IPC 8 full level
F16B 7/04 (2006.01); **F16B 19/00** (2006.01)

CPC (source: EP)
F16B 7/0413 (2013.01); **F16B 7/0426** (2013.01); **F16B 19/002** (2013.01)

Citation (search report)
See references of WO 0140666A2

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)
WO 0140666 A2 20010607; **WO 0140666 A3 20011025**; EP 1247025 A2 20021009

DOCDB simple family (application)
EP 0012069 W 20001201; EP 00993277 A 20001201