Title (en)

FLUID-TIGHT HINGED CONNECTION FOR HOLLOW PROFILES

Publication

EP 0131249 A3 19850515 (DE)

Application

EP 84107757 A 19840704

Priority

DE 3324406 A 19830706

Abstract (en)

[origin: US4626005A] A fluid-tight flexible connection comprises couplings (27, 28) of soft elastic material, inserted in cavities (11) of hollow sections (12, 13), flexible parts (29) of soft elastic material arranged between the couplings, nipples (32) of hard material inserted in passages (33) of the couplings (27, 28) and in transverse passages (34) of the flexible parts (29), the nipples having barbs (40, 41) exerting an expanding action, and having an internal bore (39). The nipples (32) provide a fluid-tight connection between the several parts, namely the hollow sections (12, 13), the coupling parts (27, 28) and the flexible parts (29), which connection has a comparatively high tensile strength in the direction of the cavities (11) by virtue of the barbs. The adjoining hollow sections (12, 13) can hinge relative to each other owing to the elasticity of the flexible part (29), the maximum hinge angle being determined by the elasticity of the flexible part (29) and its length.

IPC 1-7

E04H 3/19

IPC 8 full level

E04H 4/06 (2006.01); **E04H 4/08** (2006.01)

CPC (source: EP US)

E04H 4/065 (2013.01 - EP US); **E04H 4/08** (2013.01 - EP US); Y10S 285/925 (2013.01 - EP US)

Citation (search report)
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- [A] GB 117891 A 19180808 - CARR THOMAS JOHN
- [AD] DE 2943366 A1 19810430 - STIFTER GUSTAV

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US8511506B2; WO2013106891A1

Designated contracting state (EPC)

AT BE CH FR GB IT LI LU NL SE

DOCDB simple family (publication)

US 4626005 A 19861202; AT E37924 T1 19881015; CA 1241249 A 19880830; DE 3324406 C1 19841122; EP 0131249 A2 19850116; EP 0131249 A3 19850515; EP 0131249 B1 19881012

DOCDB simple family (application)

US 62742184 A 19840703; AT 84107757 T 19840704; CA 458359 A 19840706; DE 3324406 A 19830706; EP 84107757 A 19840704