

Title (en)

SWIVEL JOINT THAT DISSIPATES HEAT BY RADIATION

Title (de)

DREHGELENK MIT WÄRMEABLEITUNG DURCH STRAHLUNG

Title (fr)

RACCORD ROTULAIRE A DISSIPATION THERMIQUE PAR RADIATION

Publication

EP 2870398 A1 20150513 (FR)

Application

EP 13732591 A 20130702

Priority

- FR 1256411 A 20120704
- EP 2013063951 W 20130702

Abstract (en)

[origin: WO2014006055A1] Swivel joint, in particular for gaseous fluid piping, comprising a flexible metal bellows (5) mounted between two end pieces (2, 3) and a jacket (4) surrounding the bellows (5) and also fixed to the two end pieces (2, 3), the jacket (4) comprising a semi-spherical internal metal element (4a) and a fluid-tight semi-spherical external metal element (4b) in rubbing contact with the internal element (4a). The external element (4b) is covered over almost all of its internal and external surfaces with a layer of coating (4c) made up of a plurality of stacked individual thin layers of which there are between 1000 and 10 000, of a thickness of between 0.5 nm and 5 nm and based on one or more materials selected from chromium nitride (CrN), boron carbide (B₄C), graphite, tungsten carbide (WC) and titanium aluminium nitride (TiAlN).

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

See references of WO 2014006055A1

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