

Title (en)

SCREWED CONNECTION COMPRISING A THREADED INSERT MADE OF WIRE AND THREADED INSERT MADE OF WIRE THEREFOR

Title (de)

SCHRAUBVERBINDUNG MIT EINEM DRAHTGEWINDEEINSATZ UND DRAHTGEWINDEEINSATZ HIERFÜR

Title (fr)

RACCORD A VIS AYANT UN INSERT DE FILETAGE EN FIL METALLIQUE ET INSERT DE FILETAGE EN FIL METALLIQUE

Publication

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Application

EP 05755984 A 20050615

Priority

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Abstract (en)

[origin: WO2005124166A1] The invention relates to a screwed connection comprising a threaded insert made of wire (8) which is inserted between a nut thread (M) of a work piece (4) and an exterior thread (B) of a screw (6) and is made of a spirally wound threaded body made of wire provided with an internal thread (10) which is arranged on the exterior thread and an external thread (12) which is arranged on the nut thread. The invention is characterised in that the profile angles β_B , β_M of the internal and external thread (10, 12) of the threaded insert made of wire (8) are smaller than the respective profile angles α_B , α_M of the exterior thread (B) and the nut thread (M), such that the load flanks of the internal and exterior thread (10, 12) of the threaded insert made of wire (8) lie on the associated load flanks of the exterior and nut threads (B, M) when charging the screw connection with a predetermined pretension (K)v.

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See references of WO 2005124166A1

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