

Title (en)
SEALING THREADED PAIRING

Title (de)
DICHTENDE GEWINDEPAARUNG

Title (fr)
APPARIEMENT FILETE ASSURANT UNE ETANCHEITE

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Application
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Abstract (en)
[origin: US6276884B1] The invention relates to a threaded pairing, consisting of the assigned threaded parts, for the transmission of axial forces, where the screw thread (5) is filled with the sealing compound (6). The task is to create an axially positionable threaded pairing capable of being turned, a joint which at the same time is sufficiently rigid (by means of frictionally connected flanks) and leak-proof (by filling the positively fitting screw thread with sealing compound (6)). This task is successfully completed by at least one threaded part (1) consisting, in terms of the length of its axial thread (7), of a cylindrical flanked basic body (8) and a non-cylindrical flanked basic body (9), being screwed together with the assigned threaded part (2) in the axial length section of the non-cylindrical flanked body (9) and thus forming a line-like contact between the opposing flanks (4) at the point of maximal radial difference against the flanked basic body of the assigned threaded part (2) which is under radial tension of the flanks (4). This radial tension ensures that the threaded parts are fixed over a stop-free adjustment area (10) and that both sides of the flanks (4) are embedded into the sealing compound (6) through flank clearance (11).

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