

Title (en)
COMPENSATING COUPLING

Title (de)
AUSGLEICHKUPPLUNG

Title (fr)
ACCOUPLEMENT COMPENSATEUR

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Application
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• DE 9900887 W 19990318
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Abstract (en)
[origin: DE19812527A1] The invention relates to a compensating coupling transmitting torque in order to compensate for imprecise alignments in machine elements that are to be joined. One disadvantage with prior art is that these couplings are relatively complicated to produce and that the service life of the spring elements used is limited. The spring element in the inventive coupling is characterised in that recesses (7, 8, 11) and threaded holes (10, 12) are provided on the periphery of the flange of the two half-couplings (1, 2) so that the radially rigid springs (9) that are used as connecting elements or other rigid spring elements inserted in the direction of the periphery fit exactly into the recesses or threaded holes in order to transmit the appropriate torque and to compensate for axial and radial alignment errors. The spring (9) that transmits torque is designed in such a way that it compensates for misalignment of shafts and transmits high amounts of torque. The spring (9) also possesses a long service life as a connecting and transmitting element.

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