

Title (en)
COAXIAL ENERGY CONVERTER

Title (de)
KOAXIALENERGIEWANDLER

Title (fr)
CONVERTISSEUR ENERGETIQUE COAXIAL

Publication
EP 1458954 B1 20080507 (EN)

Application
EP 02778114 A 20021108

Priority
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• NO 20015468 A 20011108

Abstract (en)
[origin: WO03056137A1] An energy converter, particularly for use as a hydrodynamic pump, compressor, motor or turbine, comprising a stator (1) with a bore (4), where at least one helical groove (8) is formed in the wall of the bore (4), and a rotor (2) with an external surface (10), where at least one helical groove (18) is formed in the outer surface (10). The stator (1) and the rotor (2) are designed to rotate relative to each other, and at least the rotor (1) is designed to be coupled to a shaft (3) for transmission of torque. The bore (4) in the stator (1) and the external surface (10) of the rotor (2) are conical with a complementary taper.

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