

Title (en)
CONTINUOUS-FLOW OR DISPLACEMENT MACHINE WITH MAGNETIC BEARINGS

Title (de)
STRÖMUNGS- ODER VERDRÄNGUNGSMASCHINE MIT MAGNETLAGERN

Title (fr)
TURBOMACHINE OU MACHINE À DÉPLACEMENT COMPRENANT DES PALIERS MAGNÉTIQUES

Publication
EP 2171238 A1 20100407 (DE)

Application
EP 08774842 A 20080707

Priority

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- EP 07014719 A 20070726
- EP 08774842 A 20080707

Abstract (en)
[origin: EP2022950A1] The machine i.e. steam turbine, has a flow area through which a flow medium flows. A rotor including shaft sections (3) with rotor bearing points circulates in the flow area. The rotor is supported in magnetic bearings (5, 6), where each bearing exhibits a set of electromagnets. The electromagnets consist of a winding (15), a winding core (16) and a pole (17). The magnetic bearings are arranged within the flow area. The winding of each electromagnet of the magnetic bearings is hermetically accommodated in a housing (18) by the flow medium.

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CPC (source: EP)
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