

Title (en)
THERMOHYDRODYNAMIC POWER AMPLIFIER

Title (de)
THERMO-HYDRODYNAMISCHER-KRAFTVERSTÄRKER

Title (fr)
AMPLIFICATEUR THERMOHYDRODYNAMIQUE DE PUISSANCE

Publication
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Application
EP 03752650 A 20030820

Priority

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Abstract (en)
[origin: WO2004022962A1] The invention relates to a thermohydrodynamic power amplifying machine, which enables a liquid working medium to carry out useful work in a three-phase working cycle (isochoric heating, isothermic expansion, contraction by regenerative cooling) while using an external heat source and an external cold sink. The work performed by the auxiliary drive (12) on the displacer (11) is considerably less than the (power amplification) produced by the conversion system (18, 19). A reverse operating externally driven machine functions as a heat pump/cooling machine.

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F02G 1/04

IPC 8 full level
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AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2004022962 A1 20040318; AT E286204 T1 20050115; AU 2003266179 A1 20040329; BR 0314462 A 20051213; CA 2497603 A1 20040318; CN 100412346 C 20080820; CN 1708638 A 20051214; DE 10240924 A1 20040318; DE 10240924 B4 20050714; DE 50300228 D1 20050203; EP 1454051 A1 20040908; EP 1454051 B1 20041229; ES 2236677 T3 20050716; JP 2005537433 A 20051208; KR 20060111356 A 20061027; MX PA05002392 A 20051005; NO 20051185 L 20050601; TR 200500719 T2 20050523; US 2005268607 A1 20051208; ZA 200501785 B 20050914

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