

Title (en)  
THERMOHYDRODYNAMIC POWER AMPLIFIER

Title (de)  
THERMO-HYDRODYNAMISCHER-KRAFTVERSTÄRKER

Title (fr)  
AMPLIFICATEUR THERMOHYDRODYNAMIQUE DE PUISSANCE

Publication  
**EP 1454051 A1 20040908 (DE)**

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.

IPC 1-7  
**F02G 1/04**

IPC 8 full level  
**F02G 1/044** (2006.01); **F01B 21/02** (2006.01); **F02G 1/04** (2006.01); **F02G 1/053** (2006.01); **F25B 23/00** (2006.01); **F25B 1/02** (2006.01); **F25B 9/00** (2006.01); **F25B 9/14** (2006.01)

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**F02G 1/00** (2013.01 - KR); **F02G 1/04** (2013.01 - EP KR US); **F25B 1/02** (2013.01 - KR); **F25B 9/00** (2013.01 - KR); **F25B 23/00** (2013.01 - EP US); **F25B 1/02** (2013.01 - EP US); **F25B 9/002** (2013.01 - EP US); **F25B 9/14** (2013.01 - EP US)

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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)  
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