

Title (en)
TURBINE

Title (de)
TURBINE

Title (fr)
TURBINE

Publication
EP 1489262 B1 20120627 (DE)

Application
EP 03744077 A 20030307

Priority
• RU 0300083 W 20030307
• RU 2002105974 A 20020311

Abstract (en)
[origin: RU2200848C1] FIELD: mechanical engineering. SUBSTANCE: method of producing mechanical energy using turbine containing Segner's wheel comes to delivery of working medium into channels of turbine rotor and acceleration of working medium at its flowing out of channels in one direction along circumference square to radius of rotor with provision of rotation of rotor. Working medium is delivered from rotor channels into space around rotor formed by envelope. Working medium interacts with envelope with friction and gets out through holes in envelope accelerating in one direction with provision of rotation of envelope. Space around rotor formed by envelope is made closed over radius of circumference along outlet holes pf rotor channels. Working medium flowing out through holes in envelope accelerates along circumference square to envelope radius in direction opposite to direction of medium flow out of rotor. EFFECT: increased efficiency. 9 cl, 2 dwg

IPC 8 full level
F01D 1/32 (2006.01)

CPC (source: EP US)
F01D 1/32 (2013.01 - EP US)

Cited by
EP1890003A4; EP2499441A4

Designated contracting state (EPC)
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DOCDB simple family (publication)
EP 1489262 A1 20041222; EP 1489262 A4 20100721; EP 1489262 B1 20120627; AU 2003235542 A1 20030922; EA 005904 B1 20050630; EA 200401149 A1 20050224; RU 2200848 C1 20030320; UA 74302 C2 20051115; US 2005147493 A1 20050707; WO 03076767 A1 20030918

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EP 03744077 A 20030307; AU 2003235542 A 20030307; EA 200401149 A 20030307; RU 0300083 W 20030307; RU 2002105974 A 20020311; UA 20041008255 A 20030307; US 50675304 A 20040903