

Title (en)
MODULAR HYDRAULIC MACHINE AND A HYDRAULIC MICRO-STATION

Title (de)
MODULARE HYDRAULIKMASCHINE UND EINE HYDRAULISCHE MIKROSTATION

Title (fr)
MACHINE HYDRAULIQUE MODULAIRE ET MICROCENTRALE HYDRAULIQUE

Publication
EP 1756418 A1 20070228 (FR)

Application
EP 04731380 A 20040506

Priority
EP 2004050728 W 20040506

Abstract (en)
[origin: WO2005113978A1] The inventive low-fall modular hydraulic machine (10) is usable for producing hydraulic power or for directly using mechanical power and comprises an adjusting element (50) for setting a stable operating mode with constant speed and power irrespective of the instantaneous power required by a user. The excess power can be used for charging batteries, pumping water, generating heat or cold or simply dissipated in resistances (51). Said machine (10) is adaptable to different waterfall heights by substituting a hydraulic wheel (4) by a different pitch wheel or by manually adjusting the blades thereof. The entire micro-station consisting of a sealed chamber (20) which comprises said hydraulic machine can be located near a dam-free waterfall.

IPC 8 full level
E02B 9/00 (2006.01); **F03B 11/02** (2006.01); **F03B 13/08** (2006.01); **F03B 13/10** (2006.01); **F03B 15/08** (2006.01); **F03B 15/16** (2006.01)

CPC (source: EP US)
F03B 3/06 (2013.01 - EP US); **F03B 3/18** (2013.01 - EP US); **F03B 11/02** (2013.01 - EP US); **F03B 11/08** (2013.01 - EP US); **F03B 13/086** (2013.01 - EP US); **F03B 13/105** (2013.01 - EP US); **F03B 15/16** (2013.01 - EP US); **F05B 2240/133** (2013.01 - EP US); **F05B 2260/63** (2013.01 - EP US); **Y02E 10/20** (2013.01 - EP US)

Citation (search report)
See references of WO 2005113978A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2005113978 A1 20051201; CA 2606306 A1 20051201; CN 1973128 A 20070530; EP 1756418 A1 20070228; US 2007140829 A1 20070621

DOCDB simple family (application)
EP 2004050728 W 20040506; CA 2606306 A 20040506; CN 200480042978 A 20040506; EP 04731380 A 20040506; US 55426006 A 20061030