

Title (en)
WAVE POWER PLANT

Title (de)
WELLENKRAFTWERK

Title (fr)
CENTRALE D'ENERGIE ONDULATOIRE

Publication
EP 1370767 A1 20031217 (EN)

Application
EP 01920101 A 20010315

Priority
TR 0100013 W 20010315

Abstract (en)
[origin: WO02075151A1] The wave power plant converts the hydro mechanic energy of the waves of sea by means of the sensor tanks (1) connected to the chassis (2) via of bearings (3) that will transfer the energy produced by their movements on the waves, to the hydro motor (7) by pumping mineral oil through pumps (4). Low-pressure hydro accumulator (5) on the suction line of the pump, controls the necessary pressure and flow. The high-pressure hydro accumulator (6) on the pump's pressure line controls the circuit pressure by means of pressure regulators depending on last of the alternator. At the same time the high-pressure hydro accumulator (6) creates the required volume for compensation in the circuit and smoothen the flow. The pressurized mineral oil supplied by the system flows through the hydro motor (7) which drives the alternator (8) to produce electrical energy.

IPC 1-7
F03B 13/18

IPC 8 full level
F03B 13/18 (2006.01)

CPC (source: EP)
F03B 13/181 (2013.01); **Y02E 10/30** (2013.01)

Citation (search report)
See references of WO 02075151A1

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)
WO 02075151 A1 20020926; EP 1370767 A1 20031217

DOCDB simple family (application)
TR 0100013 W 20010315; EP 01920101 A 20010315