

Title (en)
NON POLLUTING MICRO-POWER STATION

Title (de)
UMWELTFREUNDLICHE ELEKTRISCHE MIKROKRAFTANLAGE

Title (fr)
MICROCENTRALE ELECTRIQUE NON POLLUANTE

Publication
EP 1254037 A2 20021106 (FR)

Application
EP 01942600 A 20010116

Priority
• BE 0100009 W 20010116
• BE 200000042 A 20000119

Abstract (en)
[origin: WO0153128A2] The invention concerns an assembly comprising a power generator (120) consisting of a heat engine, for instance a motor operating with hydrogen or any other clean gas (101) driving a current generator (102) to generate an electric current designed to charge buffer batteries (100) and/or power an electric motor (10), and a regulating device (103) designed to control the start-up of the power generator (120) so as to regulate the current supply in accordance with the charge level of the buffer batteries (100) and/or the current required by the electric motor (10). The buffer batteries are maintained permanently charged optimally and the device always ensures a power reserve available for the electric motor (10). A small steam turbine is also incorporated to transform waste heat contained in the exhaust gas of the heat engine (101) into additional mechanical or electric power.

IPC 1-7
B60L 1/00

IPC 8 full level
H02J 7/14 (2006.01); **H02J 7/34** (2006.01)

CPC (source: EP)
B60L 8/003 (2013.01); **B60L 50/10** (2019.01); **B60L 50/62** (2019.01); **H02J 7/1415** (2013.01); **H02J 7/34** (2013.01); **Y02T 10/62** (2013.01); **Y02T 10/70** (2013.01); **Y02T 10/7072** (2013.01)

Citation (search report)
See references of WO 0153128A2

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 0153128 A2 20010726; WO 0153128 A3 20011227; AU 2819401 A 20010731; BE 1013331 A5 20011204; EP 1254037 A2 20021106

DOCDB simple family (application)
BE 0100009 W 20010116; AU 2819401 A 20010116; BE 200000042 A 20000119; EP 01942600 A 20010116