

Title (en)

HYBRID MUSCULAR/ELECTRIC DRIVE SYSTEM

Title (de)

HYBRIDES MUSKULÄRES/ELEKTRISCHES ANTRIEBSSYSTEM

Title (fr)

SYSTEME D'ENTRAINEMENT HYBRIDE MUSCULAIRE/ELECTRIQUE

Publication

EP 3956207 A1 20220223 (FR)

Application

EP 20717873 A 20200409

Priority

- FR 1903971 A 20190415
- EP 2020060262 W 20200409

Abstract (en)

[origin: CA3136152A1] The invention relates to a fixed, portable or movable hybrid muscular/electric drive system comprising a converter (1) for converting muscular energy into rotary energy coupled to a kinematic chain comprising an electric generator (5) and a flywheel (4), said generator (5) supplying current to an energy management circuit (8) controlling the recharging of an electric storage means (9) and powering an electric motor (7). Said muscular energy converter (1) also drives a second electric generator (3) with less power than said main electric generator (5) supplying electric current to said energy management circuit (8) for enabling degraded operation of said system.

IPC 8 full level

B62M 6/60 (2010.01); **B60L 50/20** (2019.01)

CPC (source: EP)

B60L 50/20 (2019.01); **B62M 6/60** (2013.01); **B60L 2200/12** (2013.01)

Citation (search report)

See references of WO 2020212270A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

FR 3094951 A1 20201016; FR 3094951 B1 20210514; CA 3136152 A1 20201022; EP 3956207 A1 20220223; WO 2020212270 A1 20201022

DOCDB simple family (application)

FR 1903971 A 20190415; CA 3136152 A 20200409; EP 2020060262 W 20200409; EP 20717873 A 20200409