Title (en)
    LOAD-HANDLING VEHICLE

Title (de)
    LASTHANDHABUNGSFAHRZEUG

Title (fr)
    ENGIN DE MANUTENTION DE CHARGE

Publication
    EP 3976891 A1 20220406 (FR)

Application
    EP 20740707 A 20200512

Priority
- FR 1905870 A 20190603
- FR 2020050785 W 20200512

Abstract (en)
    [origin: CA3137444A1] The invention relates to a load-handling vehicle (1) comprising a wheeled chassis (2) and, supported by said chassis (2), - an internal combustion engine (4), - a mechanism (5) for transmitting power from the internal combustion engine (4) to the wheels (3) of the chassis (2), - a bucket (7), - a system for moving said bucket (7), - a control unit (9), - an accelerator pedal (10), - a control member (11) which can be manually actuated by the driver of the vehicle, - a system (12) for detecting movements of the bucket (7). The power transmission mechanism (5) is configured so that a reduction in the rotational speed of the internal combustion engine (4) results in a reduction in the torque supplied to the wheels (3) of the chassis (2) and the vehicle (1) comprises at least one operating mode in which the control unit (9) is configured, in accordance with the data provided by the system (12) for detecting the movements of the bucket (7) and the control instructions of the system for moving the bucket (7), to reduce the rotational speed of the engine (4) to a value lower than the set value for speed control corresponding to the position of the accelerator pedal (10).

IPC 8 full level
    E02F 9/22 (2006.01)

CPC (source: CN EP US)
    E02F 3/283 (2013.01 - US); **E02F 3/431** (2013.01 - US); **E02F 9/2004** (2013.01 - US); **E02F 9/2246** (2013.01 - CN EP US);
    E02F 9/2253 (2013.01 - CN EP US); **E02F 9/264** (2013.01 - US)

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 3096698 A1 20201204; **FR 3096698 B1 20210430**; AU 2020286979 A1 20211202; BR 112021022740 A2 20220322;
    BR 112021022740 B1 20240227; CA 3137444 A1 20201210; CN 113906184 A 20220107; CN 113906184 B 20230221;
    DK 3976891 T3 20231016; EP 3976891 A1 20220406; EP 3976891 B1 20230705; FI 3976891 T3 20231009; US 2022205214 A1 20220630;
    WO 2020245518 A1 20201210

DOCDB simple family (application)
    FR 1905870 A 20190603; AU 2020286979 A 20200512; BR 112021022740 A 20200512; CA 3137444 A 20200512;
    CN 202080041075 A 20200512; DK 20740707 T 20200512; EP 20740707 A 20200512; FI 20740707 T 20200512; FR 2020050785 W 20200512;
    US 202017612998 A 20200512