

Title (en)

Mobile cutting device with vibration isolated drive unit

Title (de)

Fahrbare Schneidvorrichtung mit schwingungsisolierter Antriebseinheit

Title (fr)

Dispositif de coupe mobile avec unité d'entraînement isolée vibratoirement

Publication

EP 1749938 A3 20070919 (DE)

Application

EP 06015252 A 20060721

Priority

DE 102005036838 A 20050804

Abstract (en)

[origin: EP1749938A2] The device has a drive-belt pulley (14) and an output-drive pulley (15) that are held by a base plate (10), an arm (16) and a drive motor (11) such that an axis-center distance between two axes of the pulleys is constant. A drive belt (17) couples the drive-belt pulley with the output-drive pulley. A clutch (19) is provided between the drive motor and the pulley (14) and/or between the pulley (15) and a tool holder (24) to transmit driving torque and to balance changing or vibration misalignment between an axis of the holder and the pulley (15).

IPC 8 full level

E01C 23/09 (2006.01)

CPC (source: EP)

E01C 23/0933 (2013.01)

Citation (search report)

- [XA] WO 9302844 A1 19930218 - PETER CAMPBELL PTY LTD [AU]
- [X] US 6425638 B1 20020730 - KODAMA TOSHIHARU [JP]
- [X] US 5690391 A 19971125 - KINGSLEY MICHAEL G [US], et al
- [A] US 4456303 A 19840626 - DUE JOSEPH E [US]
- [A] DE 1925243 A1 19701119 - POSSEHL GMBH

Cited by

EP3372729A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

EP 1749938 A2 20070207; EP 1749938 A3 20070919; EP 1749938 B1 20090527; AT E432387 T1 20090615; DE 102005036838 A1 20070215; DE 102005036838 B4 20100121; DE 502006003800 D1 20090709; ES 2324827 T3 20090817

DOCDB simple family (application)

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