

Title (en)

WORKING MACHINE WITH REDUCED UPPER MASS VIBRATIONS

Title (de)

ARBEITSGERÄT MIT REDUZIERTEN OBERMASSENSCHWINGUNGEN

Title (fr)

INSTRUMENT DE TRAVAIL A VIBRATIONS MASSIQUES SUPERIEURES REDUITES

Publication

EP 1012403 A1 20000628 (DE)

Application

EP 98945286 A 19980825

Priority

- DE 19739743 A 19970910
- EP 9805392 W 19980825

Abstract (en)

[origin: DE19739743A1] According to the invention, a ramming machine for compacting soil, or a hammer has a crank mechanism (3, 4, 5, 6, 7, 16) for producing a directed vibration, said crank mechanism being coupled with a spring assembly (11). The parts of the crank mechanism which move back and forth linearly are made from a material with a density less than that of steel. This prevents vibrations which are unpleasant for the person operating the working machine from occurring.

IPC 1-7

E02D 3/068; **E02D 3/046**

IPC 8 full level

E01C 19/34 (2006.01); **E02D 3/046** (2006.01); **E02D 3/068** (2006.01)

CPC (source: EP US)

E02D 3/046 (2013.01 - EP US); **E02D 3/068** (2013.01 - EP US)

Citation (search report)

See references of WO 9913166A1

Cited by

EP2251488A2

Designated contracting state (EPC)

CH DE ES FR GB IT LI NL SE

DOCDB simple family (publication)

DE 19739743 A1 19990318; **DE 19739743 C2 19990708**; DE 59812129 D1 20041118; EP 1012403 A1 20000628; EP 1012403 B1 20041013; JP 2001515976 A 20010925; JP 3851084 B2 20061129; US 2004165953 A1 20040826; US 6848858 B1 20050201; US 6854923 B2 20050215; WO 9913166 A1 19990318

DOCDB simple family (application)

DE 19739743 A 19970910; DE 59812129 T 19980825; EP 9805392 W 19980825; EP 98945286 A 19980825; JP 2000510940 A 19980825; US 50835600 A 20000309; US 78442904 A 20040224