

Title (en)
WORKING DEVICE WITH MASS BALANCING ON THE CRANK MECHANISM

Title (de)
ARBEITSGERÄT MIT MASSENAUSGLEICH AM KURBELTRIEB

Title (fr)
INSTRUMENT DE TRAVAIL A EQUILIBRAGE DES MASSES SUR LA COMMANDE A MANIVELLE

Publication
EP 1012404 A1 20000628 (DE)

Application
EP 98951314 A 19980825

Priority
• DE 19739742 A 19970910
• EP 9805391 W 19980825

Abstract (en)
[origin: DE19739742A1] A working device, especially a ramming device for compacting soil, or a hammer, has a crank mechanism (3, 4, 5) for producing a controlled vibration. Said crank mechanism (3, 4, 5) is coupled with a set of springs (11). According to the invention, the crank disk (3) belonging to the crank mechanism is provided with a counter-mass (14) whose centre of gravity is shifted around an angle not equal to 180<0> from the centre of gravity of a crank pin (4) on the crank disk (3), in relation to the axis of rotation (15) of the crank disk. This prevents vibrations which would be unpleasant for the person operating the device from occurring.

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E02D 3/068

IPC 8 full level
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E02D 3/068 (2013.01 - EP US); **B25D 2217/0088** (2013.01 - EP US); **Y10T 74/18208** (2015.01 - EP US); **Y10T 74/2183** (2015.01 - EP US); **Y10T 74/2184** (2015.01 - EP US)

Citation (search report)
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Cited by
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CH DE ES FR GB IT LI NL SE

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DE 19739742 A1 19990318; **DE 19739742 C2 19991021**; DE 59803762 D1 20020516; EP 1012404 A1 20000628; EP 1012404 B1 20020410; JP 2001515975 A 20010925; JP 3851083 B2 20061129; US 6352004 B1 20020305; WO 9913165 A1 19990318

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