

Title (en)
Oscillations generator

Title (de)
Oszillationsantrieb

Title (fr)
Générateur d'oscillations

Publication
EP 1358964 B1 20050323 (DE)

Application
EP 03007562 A 20030402

Priority
DE 10220326 A 20020430

Abstract (en)
[origin: EP1358964A1] The drive shaft (18) has an eccentric (24) of reduced diameter formed on the end. It carries a ring (54) on a needle roller bearing (52). The ring has a spherical outer surface (22) and engages in the end (56) of a swinging arm (28). Opposed springs (60,62) engage on the end of the arm and drive it towards its central position. The arm is rigidly fixed to the oscillating shaft 30 which may rotate through 0.5 to 7 degrees at a speed of 5,000 to 30,000 oscillations per minute.

IPC 1-7
B23Q 5/027; **B24B 23/04**; **B24B 47/16**

IPC 8 full level
B23Q 5/027 (2006.01); **B24B 23/04** (2006.01); **B24B 47/10** (2006.01); **B24B 47/16** (2006.01)

CPC (source: EP)
B24B 23/04 (2013.01); **B24B 47/10** (2013.01)

Cited by
CN103068521A; CN102441873A; US10882176B2; WO2012025329A1; WO2012025324A1; WO2014127669A1

Designated contracting state (EPC)
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