

Title (en)
PERCUSSIVE TOOL, PARTICULARLY A HAMMER DRILL

Publication
EP 0129865 B1 19880427 (DE)

Application
EP 84107161 A 19840622

Priority
DE 3322964 A 19830625

Abstract (en)
[origin: US4612999A] A percussion tool such as a hammer head comprises a housing for receiving a tool. A rotary drive mechanism rotates the tool about a longitudinal axis. A strike bolt is arranged for impacting against the tool. A cylinder sleeve is mounted coaxially with the longitudinal axis. A piston is slidable within the sleeve and is arranged to impact against the strike bolt. An impact drive mechanism is provided for imparting sliding movement to the piston toward the strike bolt. The impact drive mechanism comprises a wobble drive member mounted for longitudinal reciprocal movement and for rotary movement about an inclined axis disposed at an acute angle relative to the longitudinal axis. The wobble drive member is operably connected to the cylinder sleeve and to the rotary drive means to be driven thereby about the inclined axis so as to be longitudinally reciprocated. Thus, the rotary forces and impacting forces are derived from the same source.

IPC 1-7
B25D 11/06

IPC 8 full level
B25D 11/06 (2006.01)

CPC (source: EP US)
B25D 11/062 (2013.01 - EP US); **Y10T 74/18032** (2015.01 - EP US); **Y10T 74/18336** (2015.01 - EP US)

Cited by
CN102470522A; US9211639B2; WO2011000653A1

Designated contracting state (EPC)
AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)
EP 0129865 A1 19850102; EP 0129865 B1 19880427; AT E33780 T1 19880515; DE 3322964 A1 19850124; DE 3322964 C2 19870709; DE 3470679 D1 19880601; US 4612999 A 19860923

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