

Title (en)
Rotary hammer.

Title (de)
Bohrhammer.

Title (fr)
Perceuse à percussion.

Publication
EP 0560512 A1 19930915

Application
EP 93301443 A 19930225

Priority
DE 4207295 A 19920307

Abstract (en)
A rotary hammer with a pneumatic hammer mechanism, the ram (25) of which, to generate impacts acting on the hammer bit (11) arranged in a tool holder (10), is moved by a driven reciprocating piston (22), the paths of the reciprocating movement of ram and piston lying on a common straight line (50) and the hammer bit (11) being held coaxial to the tool holder axis in the tool holder (10), has an area (24) of its piston lying eccentric to the tool holder axis (50), said area being moved along an endless orbit about the tool holder axis when the piston is driven. The orbit, which has one point at a minimum and one point at a maximum distance from the tool holder (10), is inclined to the tool holder axis (50). <IMAGE>

IPC 1-7
B25D 9/26; **B25D 11/06**

IPC 8 full level
B25D 9/26 (2006.01); **B25D 11/00** (2006.01); **B25D 11/06** (2006.01)

CPC (source: EP)
B25D 11/005 (2013.01); **B25D 11/06** (2013.01); **B25D 2250/021** (2013.01)

Citation (search report)
• [Y] DE 449947 C 19271001 - SEIMEI HARA, et al
• [YD] DE 3322964 A1 19850124 - LUTZ EUGEN MASCH [DE]
• [A] US 2024684 A 19351217 - RAGNAR ERFASS KARL AXEL
• [A] CH 588632 A5 19770615 - BOSCH GMBH ROBERT
• [AD] DE 3505544 A1 19860821 - HILTI AG [LI]
• [AD] US 4712625 A 19871215 - KRESS WILLY [DE]

Cited by
EP1674206A1; EP1437200A1; CN102105272A; US7059425B2; US11858100B2

Designated contracting state (EPC)
CH DE FR GB IT LI NL

DOCDB simple family (publication)
EP 0560512 A1 19930915; **EP 0560512 B1 19971210**; DE 4207295 A1 19930909; DE 69315609 D1 19980122; DE 69315609 T2 19980402

DOCDB simple family (application)
EP 93301443 A 19930225; DE 4207295 A 19920307; DE 69315609 T 19930225