

Title (en)
SYNCHRONOUS VIBRATORY IMPACT HAMMER

Publication
EP 0089140 A3 19840222 (EN)

Application
EP 83301078 A 19830301

Priority
US 35362882 A 19820301

Abstract (en)
[origin: EP0089140A2] A vibratory impact hammer (1) including a hammer body assemblage (9) suspended by rubber mounts (11) for reciprocal axial movement in a support frame (3), the rubber mounts providing guiding and damping action of the assemblage in either direction of axial movement without extraneous friction forces acting thereupon, and a pair of synchronously driven eccentric weights (19,21) which are arranged to provide vibratory movement of the assemblage.

IPC 1-7
B25D 15/00; **B25D 11/06**

IPC 8 full level
E02F 3/36 (2006.01); **B25D 11/06** (2006.01); **B25D 15/00** (2006.01); **B25D 15/02** (2006.01); **B25D 17/24** (2006.01); **B25D 17/28** (2006.01)

CPC (source: EP)
B25D 11/06 (2013.01); **B25D 11/066** (2013.01); **B25D 17/24** (2013.01); **E02F 3/966** (2013.01)

Citation (search report)

- [YD] US 3866693 A 19750218 - CENTURY BERNARD A
- [Y] FR 2209311 A5 19740628 - MACO MEUDON SA [FR]
- [A] US 1386329 A 19210802 - RUDOLF GOLDSCHMIDT
- [A] US 3467207 A 19690916 - PYLES HARLEY G, et al
- [A] GB 1248202 A 19710929 - TAMPIN HERBERT CLEMENT
- [A] BE 463901 A
- [A] US 4257648 A 19810324 - BODINE ALBERT G
- [A] US 1657387 A 19280124 - RUDOLF GOLDSCHMIDT
- [A] FR 1392399 A 19650312

Cited by
CN113512912A; EP2706149A3; US9095968B2; WO2017207852A1; WO2016090516A1

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

DOCDB simple family (publication)
EP 0089140 A2 19830921; **EP 0089140 A3 19840222**; **EP 0089140 B1 19870812**; AT E28817 T1 19870815; AU 1125483 A 19830908; AU 550165 B2 19860306; CA 1193498 A 19850917; DE 3372941 D1 19870917; ES 520156 A0 19840216; ES 8402746 A1 19840216; IN 160366 B 19870711; JP H028875 B2 19900227; JP S58155180 A 19830914; MX 154871 A 19871223

DOCDB simple family (application)
EP 83301078 A 19830301; AT 83301078 T 19830301; AU 1125483 A 19830209; CA 422509 A 19830228; DE 3372941 T 19830301; ES 520156 A 19830228; IN 197CA1983 A 19830217; JP 3108583 A 19830228; MX 19641683 A 19830228