

Title (en)

Air impact device with recoil damping

Title (de)

Rückstoßgedämpftes Druckluftschlaggerät

Title (fr)

Dispositif à impulsion de pression d' air avec amortissement de contrecoup

Publication

EP 1690647 A3 20081224 (DE)

Application

EP 06002212 A 20060203

Priority

DE 102005005731 A 20050209

Abstract (en)

[origin: EP1690647A2] The compressed air hammer (1) with recoil damping, especially for a robot riveter working vehicle bodywork sheets, has a common cylinder (8) for the striking piston (9) and the equalizing piston (10). The striking piston has a piston rod (11) working with the snap die and the cylinder has a fixed piston rod (12) for the sliding equalizing piston, with the feed channel (13) for the compressed air (14). The end (15) at the piston side extends into the zone between the two pistons.

IPC 8 full level

B25D 17/24 (2006.01)

CPC (source: EP)

B21J 15/025 (2013.01); **B21J 15/18** (2013.01)

Citation (search report)

- [A] EP 0906810 A1 19990407 - WIKLUND HENRY & CO [SE]
- [A] US 4117764 A 19781003 - NILSSON GORAN ALFRED, et al
- [A] US 4351225 A 19820928 - BRANDENBERG KARL A, et al

Cited by

DE102015004811A1; DE102015004811B4; CN109692934A; US8196676B2; WO2009021282A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

EP 1690647 A2 20060816; EP 1690647 A3 20081224; EP 1690647 B1 20121107; ES 2399055 T3 20130325

DOCDB simple family (application)

EP 06002212 A 20060203; ES 06002212 T 20060203