

Title (en)

IMPACTING DEVICE FOR RELEASING BLOCKED OBJECTS BY IMPACT

Title (de)

SCHLAGVORRICHTUNG ZUM FREISCHLAGEN FESTGEKLEMMTER GEGENSTÄNDE

Title (fr)

DISPOSITIF DE PERCUSSION POUR LA LIBERATION PAR PERCUSSION D'OBJETS BLOQUES

Publication

EP 0998376 A1 20000510 (DE)

Application

EP 98939535 A 19980625

Priority

- DE 19731732 A 19970723
- EP 9803903 W 19980625

Abstract (en)

[origin: DE19731732A1] The invention concerns an impacting device capable of being advantageously used in an impact hammer and/or a drill for releasing by impact tools blocked in rocks. For this purpose, an impact impetus supplied by an impact piston (1) is modified by means of a impact-deflecting device comprising a sliding lever (8) and a deflecting lever (12), such that said impact is carried out in a releasing impact direction (F) opposite the normal impact direction (B) and is transmitted to a tool (4) via a slide (15) and a locking lever (6). The tool (4) is already released after a few strokes produced by the impact piston (1). Said impact device is suitable for both unilateral air springs and double air springs.

IPC 1-7

B25D 9/14

IPC 8 full level

B25D 9/14 (2006.01); **B25D 9/00** (2006.01)

CPC (source: EP US)

B25D 9/14 (2013.01 - EP US); **B25D 2250/171** (2013.01 - EP US)

Citation (search report)

See references of WO 9904937A1

Designated contracting state (EPC)

CH DE ES FR GB IT LI NL SE

DOCDB simple family (publication)

DE 19731732 A1 19990204; **DE 19731732 C2 20010222**; DE 59812248 D1 20041216; EP 0998376 A1 20000510; EP 0998376 B1 20041110; ES 2227870 T3 20050401; JP 2001510741 A 20010807; JP 4124564 B2 20080723; US 6298923 B1 20011009; WO 9904937 A1 19990204

DOCDB simple family (application)

DE 19731732 A 19970723; DE 59812248 T 19980625; EP 9803903 W 19980625; EP 98939535 A 19980625; ES 98939535 T 19980625; JP 2000503966 A 19980625; US 38099199 A 19990909