

Title (en)

Protection element for preventing the passage of contaminants for a percussive tool with fluid-pressure drive

Title (de)

Schutzeinrichtung zum Verhindern des Eindringens von Verunreinigung an einem fluidbetriebenen Schlagwerk

Title (fr)

Élément de protection pour prévenir la pénétration des contaminants pour un outil à percussion actionné hydrauliquement

Publication

**EP 1136190 A3 20011004 (DE)**

Application

**EP 01105983 A 20010310**

Priority

DE 10012916 A 20000316

Abstract (en)

[origin: EP1136190A2] The protective device is constructed so that the seal (7) between the inner guide sector (5b) of the mechanism guide and the theoretical impact plane (4) of the piston on the tool (3) is so arranged that the counter-surface (3e) which can move relative to the fixing sector and which is in contact with the seal is free of abrasion.

IPC 1-7

**B25D 17/00**

IPC 8 full level

**B25D 9/02** (2006.01); **B25D 17/00** (2006.01); **B25D 17/14** (2006.01); **B25D 17/22** (2006.01); **B25D 17/26** (2006.01); **F16J 15/32** (2006.01)

CPC (source: EP US)

**B25D 17/22** (2013.01 - EP US); **B25D 17/265** (2013.01 - EP US); **B25D 2250/365** (2013.01 - EP US)

Citation (search report)

- [XY] US 5873579 A 19990223 - PROKOP HEINZ-JUERGEN [DE], et al
- [Y] US 5562170 A 19961008 - WOLFER DALE R [US], et al

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

**EP 1136190 A2 20010926**; **EP 1136190 A3 20011004**; **EP 1136190 B1 20050713**; AT E299418 T1 20050715; DE 10012916 A1 20010920; DE 50106713 D1 20050818; ES 2246264 T3 20060216; JP 2001310272 A 20011106; US 2001022227 A1 20010920; US 6648079 B2 20031118

DOCDB simple family (application)

**EP 01105983 A 20010310**; AT 01105983 T 20010310; DE 10012916 A 20000316; DE 50106713 T 20010310; ES 01105983 T 20010310; JP 2001074471 A 20010315; US 80913601 A 20010316