

Title (en)
Drilling - and/or percussion apparatus

Title (de)
Bohr- und/oder Meisselgerät

Title (fr)
Appareil de forage - et/ou de percussion

Publication
EP 0888851 B1 20061108 (DE)

Application
EP 98810564 A 19980619

Priority
DE 29711704 U 19970704

Abstract (en)
[origin: JPH1177558A] PROBLEM TO BE SOLVED: To make the assembly and the overhaul works of a cushioning means in order to suppress the reaction of a header rapid and easy, and furthermore, to allow to carry out such a work economically. SOLUTION: A drill-chisel device furnishes an impulse mechanism 7, a tool holder 1, and a cushioning means 8 for a header 9 displaceable in the axial direction which is provided between the impulse mechanism 7 and the tool holder 1, and the header 9 cooperates with the insertion end of a tool which can be installed to the tool holder 1. To the cushioning means 8, a stop disk 86, an elastic ring 83, and a transmission element 81 are provided in order reversely to the drill direction. A receiving area in order to receive the stop disk 86 and the elastic ring 83 is provided to the transmission element 81.

IPC 8 full level
B25D 17/24 (2006.01); **B23B 45/16** (2006.01); **B25D 16/00** (2006.01); **B28D 1/14** (2006.01); **E21C 37/24** (2006.01)

CPC (source: EP US)
B25D 16/003 (2013.01 - EP US); **B25D 16/006** (2013.01 - EP US)

Cited by
CN104249337A; US6241026B1

Designated contracting state (EPC)
CH DE FR GB LI SE

DOCDB simple family (publication)
DE 29711704 U1 19970904; DE 59813790 D1 20061221; EP 0888851 A2 19990107; EP 0888851 A3 20030108; EP 0888851 B1 20061108; JP 4195125 B2 20081210; JP H1177558 A 19990323; US 5996708 A 19991207

DOCDB simple family (application)
DE 29711704 U 19970704; DE 59813790 T 19980619; EP 98810564 A 19980619; JP 18673798 A 19980702; US 11126298 A 19980706