

Title (en)  
Boring ram.

Title (de)  
Rammbohrgerät.

Title (fr)  
Mouton de forage.

Publication  
**EP 0353400 B1 19940316 (DE)**

Application  
**EP 89107906 A 19890502**

Priority  
DE 3825800 A 19880729

Abstract (en)  
[origin: EP0353400A2] In a boring ram (1) having a percussion piston (3) displaceable in a tubular housing (2), and a displaceably mounted bit (10) which is passed through a housing tip (6), is guided with a collar (14) in a housing bore (13) having a front and a rear stop (20, 15) limiting the stroke (19) of the bit (10), and is provided with a stem (16) projecting into the working space (17) of the percussion piston (3), rebounding blows are avoided when the projecting length (18) of the stem (16) is less than the maximum stroke (19) of the collar (14) between the stops (15, 20).  
<IMAGE>

IPC 1-7  
**E21B 4/14**; **E21B 7/26**

IPC 8 full level  
**E21B 7/26** (2006.01); **E21B 4/14** (2006.01)

CPC (source: EP US)  
**E21B 4/145** (2013.01 - EP US); **Y10T 279/17042** (2015.01 - EP US)

Designated contracting state (EPC)  
BE CH FR GB IT LI NL

DOCDB simple family (publication)  
**EP 0353400 A2 19900207**; **EP 0353400 A3 19910206**; **EP 0353400 B1 19940316**; DE 3825800 A1 19900201; DE 3825800 C2 19910829; JP 2693234 B2 19971224; JP H0247492 A 19900216; US 5095998 A 19920317

DOCDB simple family (application)  
**EP 89107906 A 19890502**; DE 3825800 A 19880729; JP 16059589 A 19890622; US 55021090 A 19900706