

Title (en)  
Reversible boring ram

Title (de)  
Umsteuerbares Rammbohrgerät

Title (fr)  
Mouton de forage réversible

Publication  
**EP 0805258 B1 20031029 (DE)**

Application  
**EP 97106977 A 19970426**

Priority  
DE 19617603 A 19960502

Abstract (en)  
[origin: EP0805258A2] Connected with the control air conduit (19) is a regulating chamber. Connected with the control tube is a forward flow chamber. The control casing (10) is fitted with an inner collar (13) between two outer collars (11,12) of the control tube (4). In the control tube in the area of the one outer collar (11) is a control air channel (16) and in the area of the other outer collar (12) is an operating air hole (20). The control air channel is connected with a control air conduit running in the control tube.

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

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

CPC (source: EP US)  
**E21B 4/145** (2013.01 - EP US)

Designated contracting state (EPC)  
CH FR GB LI

DOCDB simple family (publication)  
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