

Title (en)  
Drill apparatus with twin impact system

Title (de)  
Bohrvorrichtung mit Doppelschlagsystem

Title (fr)  
Appareil de forage avec système d'impact double

Publication  
**EP 0979920 B1 20050302 (DE)**

Application  
**EP 98121952 A 19981119**

Priority  
DE 19836389 A 19980812

Abstract (en)  
[origin: EP0979920A2] The outer tube (2) can be activated by a striker part (8) displaceable longitudinally and arranged over the inner tube (3). The insert end (5) extending on both sides over the rotary mechanism has on the rotary striking mechanism side a compensation ring (10) which has a hardness below that of the tube material and the striker part. The compensation ring has a curved surface on both sides, corresponding to the abutting end piece (11) of the insert end. In the housing (9) on the curved surface of the compensation ring lubricating holes (12) are provided.

IPC 1-7  
**E21B 6/00**; **E21B 17/02**

IPC 8 full level  
**E21B 6/00** (2006.01); **E21B 6/04** (2006.01); **E21B 7/00** (2006.01); **E21B 7/20** (2006.01); **E21B 17/02** (2006.01); **E21B 17/03** (2006.01)

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