

Title (en)
DRILL BIT

Publication
EP 0044817 A3 19820825 (FR)

Application
EP 81810301 A 19810722

Priority
CH 563280 A 19800723

Abstract (en)
[origin: EP0044817A2] The drill-bit body (2) is fastened to the lower end of a set of rods engaged in the borehole (1). The boss (4) projecting into the spherical cavity (3) supports the shaft (6) carrying the rotary element (11) of spherical shape held in place by the nut (7). The outer surface of the element (11) is covered with hard particles, for example grains of hard metal or diamond elements. As a result of the drive of the drill-bit body (2) about its axis and the friction of the surface (18), the rotary element (11) necessarily rotates on the shaft (6), with the result that the entire inner face of the hole (1) is attacked by abrasion. <IMAGE>

IPC 1-7
E21B 10/08; **E21B 10/26**; **E21B 10/50**

IPC 8 full level
E21B 10/08 (2006.01); **E21B 10/26** (2006.01); **E21B 10/50** (2006.01)

CPC (source: EP US)
E21B 10/083 (2013.01 - EP); **E21B 10/26** (2013.01 - EP US); **E21B 10/50** (2013.01 - EP)

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