

Title (en)  
HARD MATERIAL BUTTON-TYPE INSERT FOR DRILL BITS

Publication  
**EP 0083287 B1 19850828 (FR)**

Application  
**EP 82402381 A 19821224**

Priority  
FR 8124209 A 19811224

Abstract (en)  
[origin: EP0083287A1] 1. Stud made of hard material for a drilling tool, consisting of a head (6) prolonged by a body (7) intended to be set into the end of the tool in a chamber (4) having dimensions slightly less than those of the body (7), in which stud the outer surface of the body (7) has teeth (8) intended to penetrate the inner wall of the chamber (4) when the stud (5) is set into the chamber (4), characterised in that the teeth (8) are arranged along helices marked on the surface of the body (7).

IPC 1-7  
**E21B 10/56**; **E21B 10/52**; **E21B 10/62**

IPC 8 full level  
**E21B 10/52** (2006.01); **E21B 10/56** (2006.01); **E21B 10/62** (2006.01)

CPC (source: EP)  
**E21B 10/56** (2013.01)

Cited by  
AU2007201463B2; BE1012593A3; AU2004205106B2; EP3696368A1; CN113383143A; US7416035B2; WO2020165199A1

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
**EP 0083287 A1 19830706**; **EP 0083287 B1 19850828**; AT E15249 T1 19850915; DE 3265914 D1 19851003; ES 276309 U 19840501; ES 276309 Y 19841216; FR 2519064 A1 19830701; FR 2519064 B1 19840713

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