

Title (en)

A rock drill bit and a drilling assembly for percussive rock drilling

Title (de)

Gesteinsbohrmeißel und Bohranordnung zum Perkussionsgesteinsbohren

Title (fr)

Taillant de fleuret et ensemble de forage pour perçage de roche à percussion

Publication

EP 2434086 A1 20120328 (EN)

Application

EP 10178387 A 20100922

Priority

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Abstract (en)

A rock drill bit (30) for percussive drilling comprises a bit head configured to be attached at an end of a drill element (33) of a drilling assembly and having a diameter larger than that of said drill element. The bit head has at a front end (38) as seen in the intended drilling direction a plurality of buttons (41) distributed over said bit head and configured to engage material to be crushed. At least one of said buttons is allowed to rotate about its own symmetry axis.

IPC 8 full level

E21B 10/36 (2006.01)

CPC (source: EP KR US)

E21B 10/36 (2013.01 - EP KR US)

Citation (search report)

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DOCDB simple family (publication)

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EP 10178387 A 20100922; AU 2011304382 A 20110920; AU 2011304461 A 20110916; AU 2015238819 A 20151007; BR 112013006621 A 20110916; BR 112013006623 A 20110920; CA 2811674 A 20110916; CA 2812600 A 20110920; CN 201180046041 A 20110916; CN 201180046043 A 20110920; EP 11757880 A 20110920; EP 2011066114 W 20110916; EP 2011066323 W 20110920; KR 20137010145 A 20110916; KR 20137010147 A 20110920; RU 2013118265 A 20110916; RU 2013118269 A 20110920; US 201113825416 A 20110916; US 201113825533 A 20110920; ZA 201302143 A 20130320