

Title (en)

Lubricating grease for rock drill bits and bits so lubricated.

Title (de)

Schmierfett für Steinbohrerspitzen und so geschmierte Bohrerspitzen.

Title (fr)

Graisse lubrifiante pour trépan de rocher et trépan ainsi lubrifiés.

Publication

**EP 0191608 A2 19860820 (EN)**

Application

**EP 86300831 A 19860206**

Priority

GB 8503382 A 19850209

Abstract (en)

A lubricating grease suitable for use in rock drill bits comprises: (1) a major proportion of a mineral or synthetic hydrocarbon base oil, (2) from 3 to 15% wt by weight of the grease of a lithium complex soap as the sole thickener, and (3) from 5 to 20% wt by weight of the grease of molybdenum disulphide particles as extreme pressure additive. Such a grease has the required lubricating qualities and the required flow properties for use in rock drill bits having a grease reservoir (e.g. a pressure equalisation chamber) and channels connecting the reservoir to the bearing surfaces.

IPC 1-7

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IPC 8 full level

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Cited by

US5015401A; US5681799A; CN111892984A; US5668092A; CN1053214C; US6056072A; US5891830A; US5589443A; GB2308382A; GB2308382B; CN108048186A; WO9703152A1; US9096814B2; US9719046B2

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