

Title (en)

A machine for cutting a trench in rock.

Title (de)

Grabenfräse für Gestein.

Title (fr)

Machine pour fraiser une tranchée dans un rocher.

Publication

**EP 0080802 A1 19830608 (EN)**

Application

**EP 82305455 A 19821014**

Priority

GB 8130943 A 19811014

Abstract (en)

The invention provides a machine for cutting a trench in rock wherein, in order to avoid cutter head bounce if the cutter were mounted at the end of a boom and to thereby provide an improved cutting action, a telescopic control arm (25) is secured to the end of the boom (11) adjacent to the cutting head (21). The boom (11) is pivotally secured to a trailing crawler chassis (3) and the telescopic control arm (25) is secured to a forward crawler chassis (5).

IPC 1-7

**E02F 5/08**

IPC 8 full level

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Citation (search report)

- [Y] DE 2164116 A1 19730705 - HOHENSCHLAEGER ALOIS
- [Y] CH 239498 A 19451031 - GRANDS TRAVAUX SA ENTREPRISE D [CH]
- [Y] US 3308564 A 19670314 - ALFRED PERRY, et al
- [Y] US 3526047 A 19700901 - ROESSLER EDMUND, et al
- [Y] US 3711970 A 19730123 - BRIAR G
- [Y] DE-B-R210 III/45a (RATHJENS)

Cited by

KR100824099B1; WO2020089251A2; US11047234B2; CN1322205C; GB2368358A; GB2368358B; AU2001295755B2; JP2008150942A; KR100822931B1; WO2022053565A1; US6658767B2; WO03044286A1; US6364029B1; WO9940263A1; WO2020089251A3; WO0235016A1; WO9963291A1

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