

Title (en)

Roof drill shock absorbing coupling.

Title (de)

Elastische Kupplung für Gebirgsanker-Bohrmaschinen.

Title (fr)

Embrayage amortissant les chocs pour foreuse pour boulons d'ancrage.

Publication

EP 0126829 A1 19841205 (EN)

Application

EP 83630197 A 19831201

Priority

US 49763383 A 19830524

Abstract (en)

A shock absorbing rotary drive coupling assembly for drivingly connecting a drive shaft (19) to an axially aligned driven shaft (21). The coupling assembly has an inner sleeve (17) axially aligned with the drive shaft (19), and in driving engagement with the driven shaft. Bonded to the outer circumference of the inner sleeve (17) is a resilient element (15) which is also axially aligned with the drive shaft (19). Bonded to the outer circumference of the resilient element (15) is an outer sleeve (13). This outer sleeve (13) is connected to a drive plate (11), which is further connected to the drive chuck (21) of the roof drilling machine. During drilling operations, the resilient element absorbs the axial and radial shocks of the drilling. The resilient element (15) also allows for a limited amount of misalignment between the drill steel and the drill chuck.

IPC 1-7

E21D 20/00

IPC 8 full level

E21B 17/07 (2006.01); **E21B 3/035** (2006.01); **E21D 20/00** (2006.01)

CPC (source: EP)

E21B 3/035 (2013.01); **E21D 20/003** (2013.01)

Citation (search report)

- DE 2657650 A1 19770714 - SECOMA
- DE 2735726 A1 19790215 - HILTI AG

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DE FR GB

DOCDB simple family (publication)

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DOCDB simple family (application)

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