

Title (en)

PULSED ELECTRIC ROCK DRILLING, FRACTURING, AND CRUSHING METHODS AND APPARATUS

Title (de)

VERFAHREN UND VORRICHTUNG ZUM GEPULSTEN ELEKTRISCHEN GESTEINSBOHREN, BRECHEN UND ZERKLEINERN

Title (fr)

PROCEDES ET DISPOSITIF DE FORAGE, DE FRACTURATION ET DE CONCASSAGE DE ROCHES A COURANT PULSE

Publication

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Application

EP 05791498 A 20050822

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- US 20857905 A 20050819
- US 20867105 A 20050819
- US 20876605 A 20050819
- US 20895005 A 20050819

Abstract (en)

[origin: WO2006023998A2] The present invention provides for pulsed power rock drilling apparatuses, systems, and methods and an electrical insulating fluid applicable to the embodiments disclosed.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

- [XYI] EP 0921270 A1 19990609 - KOMATSU MFG CO LTD [JP]
- [XP] WO 2005054620 A1 20050616 - UNODRILL AS [NO], et al
- [YD] US 6215734 B1 20010410 - MOENY WILLIAM M [US], et al
- See references of WO 2006023998A2

Cited by

EP4112867A1; WO2023275261A1

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