

Title (en)
METHOD AND APPARATUS FOR CHARGING A HOLE

Title (de)
VERFAHREN UND VORRICHTUNG ZUM LADEN VON BOHRLÖCHERN

Title (fr)
PROCEDE ET APPAREIL DE CHARGEMENT D'UN TROU DE FORAGE

Publication
EP 1144943 A4 20020522 (EN)

Application
EP 99966764 A 19991214

Priority

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- US 13443899 P 19990517

Abstract (en)
[origin: WO0036364A1] A method of charging hole (12) drilled in rock or concrete (10), the method including inserting a quantity of energetic material (14) on or near the bottom (16) of hole (12). Lead (28) connects initiator (18) with an initiation source at ground level. Hole (12) is filled with stemming material (20) to a level (L) and plug (22) is positioned to rest on stemming material (20). Lead (28) threads through plug (22) via a slot, recess or passage. Mass (30) such as the bucket of excavator (32) and plug (22) prevent stemming material (20) from being blown out of hole (12) when energetic material (14) is detonated. The risk of collar area (C) being fragmented and energised to produce fly rock is reduced since the length of plug (22) is commensurate with the length of collar area (C). Plug (22) and stemming material (20) can be replaced by a stemming bar, with the stemming bar attached directly to energetic material (14).

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CPC (source: EP)
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Citation (search report)

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