

Title (en)
METHOD AND DEVICE FOR INSTALLING A CABLE BOLT WRAPPED IN A SHEATH

Title (de)
VERFAHREN UND VORRICHTUNG ZUR INSTALLATION EINES KABELBOLZENS EINGEWICKLET IM MANTEL

Title (fr)
PROCÉDÉ ET DISPOSITIF D'INSTALLATION D'UN BOULON À CÂBLE ENVELOPPÉ EN GAINÉ

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Application
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Abstract (en)
The present invention relates to a method for installing a cable bolt (12) in an underground (10), comprising the steps: # drilling a bore (40) into the underground (10), # delivering grout material (49) into the bore (40), # providing a cable (250), # inserting the cable (250) with its leading end into the bore (40), and # severing the cable (250) to form a trailing end. According to the invention, the method comprises the further steps of # providing a sheath material (251), and # circumferentially wrapping the sheath material (251) around at least a predetermined length (B) of the cable (250). The invention furthermore relates to an installation device for carrying out this method, and to a so-obtained cable bolt (12).

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CPC (source: EP)
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Citation (applicant)
DE 3410100 A1 19841031 - TAMPELLA OY AB [FI]

Citation (search report)
• [YA] US 2011135402 A1 20110609 - LEPPANEN JARMO UOLEVI [ZA]
• [YA] WO 2014076274 A2 20140522 - SANDVIK INTELLECTUAL PROPERTY [SE]
• [YA] US 6402433 B1 20020611 - GILLESPIE H DOUG [US]
• [A] US 4158519 A 19790619 - GAMLIN DOUGLAS W
• [A] US 4079592 A 19780321 - EAKIN ROBERT NELSON
• [AD] DE 3410100 A1 19841031 - TAMPELLA OY AB [FI]

Cited by
CN108747966A; US11578536B2

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