

Title (en)
CABLE BOLTS

Title (de)
KABELVERANKERUNGEN

Title (fr)
BOULONS DE CÂBLE

Publication
EP 3325769 A1 20180530 (EN)

Application
EP 16739129 A 20160714

Priority
• EP 15177973 A 20150723
• EP 2016066817 W 20160714

Abstract (en)
[origin: EP3121369A1] A cable bolt for providing support and balance to a rock mass, comprising: a multi-strand cable having a plurality of steel wires being twisted together, said multi-strand cable having a first end portion for anchoring in a borehole of rock mass and a second end portion for being positioned adjacent to the opening of the borehole, a fixture secured to the second end portion of said multi-strand cable, wherein at least one of the plurality of steel wires is made from steel having as steel composition: a carbon content ranging from 0.20 weight percent to 0.95 weight percent, a silicon content ranging from 0.5 weight percent to 2.0 weight percent, a manganese content ranging from 0.40 weight percent to 1.0 weight percent, a chromium content ranging from 0.0 weight per cent to 1.0 weight percent, a sulphur and phosphor content being limited to 0.025 weight percent, the remainder being iron, and said steel has as metallurgical structure: a volume percentage of retained austenite ranging from 4 percent to 25 percent, the remainder being tempered primary martensite and untempered secondary martensite.

IPC 8 full level
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CPC (source: EP US)
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Citation (search report)
See references of WO 2017012994A1

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