

Title (en)

Cable for wire saw

Title (de)

Kabel für Drahtsäge

Title (fr)

Câble pour scie à fil

Publication

EP 2535160 A1 20121219 (EN)

Application

EP 11170350 A 20110617

Priority

EP 11170350 A 20110617

Abstract (en)

A cable (10) for wire saw comprises a multi-strand steel cord (20) wherein the steel cord (20) is coated with a second polymer material (30). The steel cord (20) comprises at least one core strand (40) and plurality layer strands (50), while the core strand (40) is coated with a first polymer material (60) before the construction of the steel cord (20). The fine polymer coatings (60,30) on the core strand and the steel cord not only prevent the corrosive and abrasive cooling water from entering into the cable, but also maintains the flexibility of the cable to endure the constant change bending load during the sawing operation. A wire saw and a spring loaded diamond bead wire saw comprising a cable incorporating present invention are also provided.

IPC 8 full level

B28D 1/12 (2006.01); **D07B 1/16** (2006.01)

CPC (source: EP)

B28D 1/124 (2013.01); **D07B 1/0673** (2013.01); **D07B 1/162** (2013.01); **D07B 1/165** (2013.01); **D07B 2201/2061** (2013.01); **D07B 2201/2065** (2013.01); **D07B 2205/2039** (2013.01); **D07B 2205/2046** (2013.01); **D07B 2205/2064** (2013.01)

Citation (applicant)

- US 2773495 A 19561211 - LEFEVRE HUBERT M
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Citation (search report)

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IT201800003967A1; WO2015100528A1; WO2019186399A1

Designated contracting state (EPC)

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Designated extension state (EPC)

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