

Title (en)

Metal rope with a core made of fibres of liquid-crystal polymer

Title (de)

Drahtseil mit einem Kern aus Filamenten aus einem Flüssigkeitskristallpolymer

Title (fr)

Câble métallique à âme fibreuse en polymère à cristaux liquides

Publication

**EP 2067893 B1 20120711 (EN)**

Application

**EP 08170693 A 20081204**

Priority

IT MI20072281 A 20071205

Abstract (en)

[origin: EP2067893A2] The present invention refers to a metal rope with improved features, in particular having high ultimate tensile strength and a high number of sustainable fatigue cycles. The metal rope (10) according to the present invention consists of a plurality of strands (12) wound around a central core (14) and is characterised in that the central core (14) is made of a fibre spun from a liquid-crystal polymer. Preferably, this fibre spun from a liquid-crystal polymer is Vectran #ç .

IPC 8 full level

**D07B 1/06** (2006.01)

CPC (source: EP)

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Cited by

JP2015140243A; US11548763B2; JPWO2022044213A1; WO2022044213A1; US11459209B2

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