

Title (en)

ROPE FORMED OF THREADS, YARNS OR TWINES MADE OF TEXTILE FIBROUS MATERIAL

Publication

EP 0150702 B1 19890705 (DE)

Application

EP 84890232 A 19841128

Priority

AT 31784 A 19840201

Abstract (en)

[origin: US4640178A] A rope comprises of twisted textile fibers in the form of threads, yarns, twines, ply yarns or strands, which fibers consist mainly of synthetic resin, and a reinforcement made of a material which has strength properties differing from those of the textile fibers. The rope is intended for industrial use or as a safety rope, particularly as a climbing rope. In order to increase the life and the abrasion resistance of the rope when it is frequently flexed and to increase the tensile strength of the rope when it extends around a sharp edge, those threads, yarns, twines, ply yarns and strands which consist of twisted textile fibers and are disposed on the outside surface of the rope or of a core of the rope are reinforced by monofilaments of synthetic resin or metal, and/or said threads, yarns, twines, ply yarns or strands of twisted textile fibers are or a core of the rope or the entire rope is provided with a covering consisting of wound or braided monofilaments.

IPC 1-7

D07B 1/02

IPC 8 full level

D07B 1/02 (2006.01)

CPC (source: EP US)

D07B 1/02 (2013.01 - EP US); **D07B 1/04** (2013.01 - EP US); **D07B 2201/2089** (2013.01 - EP US); **D07B 2201/209** (2013.01 - EP US)

Cited by

US7797919B2; DE4035814A1; CN109868666A; CN107815905A; EP2028308A3; EP2415957A1; KR101137337B1; AT512517A4; AT512517B1; KR101137338B1; AT512508A4; AT512508B1; KR101137334B1; US9845572B2; US9803482B2; US9845571B2; WO2006055995A1; WO2012045715A2; US10273609B2; US7703372B1; US8136438B2; EP3967799A1; US11802372B2

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DOCDB simple family (publication)

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