

Title (en)
Synthetic fibre rope

Title (de)
Kunstfaserseil

Title (fr)
Câble en fibres synthétiques

Publication
EP 1930496 A3 20090603 (DE)

Application
EP 07120987 A 20071119

Priority
• EP 06125326 A 20061204
• EP 07120987 A 20071119

Abstract (en)
[origin: EP1930496A2] The cable consists of braids arranged in at least one braid layer, whereby a braid consists of twisted yarns and a yarn of synthetic fibers, whereby at least one braid of at least one braid layer has indicator fibers and/or at least one indicator yarn for monitoring the cable's lifetime. The indicator yarn consists of indicator fibers and synthetic fibers and the indicator yarn fibers are weaker than the synthetic fibers of the braid. An independent claim is also included for a method of monitoring a fiber cable lifetime.

IPC 8 full level
D07B 1/02 (2006.01); **D07B 1/14** (2006.01)

CPC (source: EP US)
B66B 7/06 (2013.01 - EP); **D07B 1/145** (2013.01 - EP US); **D07B 1/24** (2021.01 - EP US); **D07B 2205/205** (2013.01 - EP); **D07B 2205/3003** (2013.01 - EP); **D07B 2501/2007** (2013.01 - EP)

Citation (search report)
• [DX] EP 1371597 A1 20031217 - MITSUBISHI ELECTRIC CORP [JP]
• [DA] EP 0731209 A1 19960911 - INVENTIO AG [CH]

Cited by
CN104372521A; CN103469475A; CN105683085A; DE202011001846U1; EP2740703A3; US10472765B2; US9873597B2; US9335318B2; US10011464B2; EP3392404A1; US10808355B2; WO2017068054A1; US10822742B2; US11008702B2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK RS

DOCDB simple family (publication)
EP 1930496 A2 20080611; EP 1930496 A3 20090603; EP 1930496 B1 20130724

DOCDB simple family (application)
EP 07120987 A 20071119