

Title (en)
Cable system with magnetic screen

Title (de)
Kabelsystem mit magnetischer Schirmungshülle

Title (fr)
Système de câble avec un écran magnétique

Publication
EP 1783786 A3 20100714 (DE)

Application
EP 06022902 A 20061103

Priority
DE 102005053050 A 20051104

Abstract (en)
[origin: EP1783786A2] The cable has a traction force taking up core rod (3) provided on isolated stranded cable wires (1), and a layer referred as a shielding covering (2) enveloping the cable wires. The layer is applied as a winding of a strap made of highly permeable magnetic material, where the cable consists of the isolated stranded cable wires. The core rod is formed of rectangular steel wires, and the shielding covering is made of a material such as silicon steel sheet or metallic glass.

IPC 8 full level
H01B 9/02 (2006.01)

CPC (source: EP)
H01B 9/023 (2013.01)

Citation (search report)
• [Y] CH 346920 A 19600615 - SIEMENS AG [DE]
• [Y] WO 03003382 A1 20030109 - PIRELLI CAVI E SISTEMI SPA [IL], et al
• [YD] DE 3123040 A1 19830105 - VACUUMSCHMELZE GMBH [DE]
• [A] EP 1191546 A1 20020327 - NKT POWER CABLES AS [DK]
• [AD] DE 19807527 A1 19990826 - CIT ALCATEL [FR]

Cited by
EP2333792A1; CN102074298A; CN104616815A; WO2013072124A1

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 NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK RS

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EP 1783786 A2 20070509; EP 1783786 A3 20100714; EP 1783786 B1 20140903

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