

Title (en)

AN UMBILICAL FOR COMBINED TRANSPORT OF POWER AND FLUID

Title (de)

VERSORGUNGSSCHLAUCH ZUM KOMBINIERTEN TRANSPORT VON STROM UND FLÜSSIGKEIT

Title (fr)

CÂBLE OMBILICAL POUR LE TRANSPORT COMBINÉ DE PUISSANCE ET DE FLUIDE

Publication

**EP 3926645 A1 20211222 (EN)**

Application

**EP 20305679 A 20200619**

Priority

EP 20305679 A 20200619

Abstract (en)

The present invention relates to an umbilical for combined transport of electrical current and fluid, where the umbilical comprises at least one conductor arranged internally inside the umbilical, wherein the at least one conductor is in the form of a tubular member comprising a pipe-shaped conductor having an insulation system surrounding an external surface of the tubular member, the pipe-shaped conductor having a pipe wall made from an electrically conductive material, wherein an internal volume of the pipe-shaped conductor forms a transport pipe for a fluid, the fluid being in contact with an internal surface of the pipe-shaped conductor. The present invention also relates to a system for such combined transport of electrical current and fluid.

IPC 8 full level

**H01B 7/04** (2006.01); **H01B 1/02** (2006.01)

CPC (source: EP)

**H01B 1/02** (2013.01); **H01B 7/045** (2013.01)

Citation (applicant)

EP 1872375 A2 20080102 - NKT CABLES ULTERA AS [DK]

Citation (search report)

- [XAY] EP 1690979 A2 20060816 - NEXANS [FR]
- [YDA] EP 1872375 A2 20080102 - NKT CABLES ULTERA AS [DK]
- [YA] AU 2013251207 A1 20140605 - NEXANS
- [XAY] EP 3333562 A2 20180613 - NEXANS [FR]
- [Y] WO 03076800 A2 20030918 - OCEAN WIND ENERGY SYSTEMS [US], et al
- [XY] EP 3651166 A1 20200513 - ESAB GROUP INC [US]
- [XY] NO 159892 B 19881107 - ALCATEL STK AS [NO]

Cited by

EP4418283A1; US2021272731A1; US11881352B2; WO2024001305A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**EP 3926645 A1 20211222**

DOCDB simple family (application)

**EP 20305679 A 20200619**