

Title (en)
DATA CABLE

Title (de)
DATENKABEL

Title (fr)
CÂBLE DE DONNÉES

Publication
EP 3134905 A1 20170301 (DE)

Application
EP 15723847 A 20150427

Priority
• DE 102014207879 A 20140425
• EP 2015059078 W 20150427

Abstract (en)
[origin: WO2015162297A1] The data cable (2) is used for high-speed data transmission at signal frequencies of > 10 GHz and comprises at least one core pair (4) which is surrounded by a film-like pair shield (6) which has an inner shielding film (14) and an outer shielding film (16) which are in electrical contact with one another, wherein the inner shielding film (14) is wound around the core pair (4). By virtue of this measure, an undesired resonance effect is avoided which, in previously wound pair shields, has not allowed use for relatively high signal frequencies. At the same time, an undesired common-mode signal, which would occur in the case of a longitudinally folded shielding film, is thus suppressed.

IPC 8 full level
H01B 11/20 (2006.01)

CPC (source: CN EP US)
H01B 11/002 (2013.01 - US); **H01B 11/203** (2013.01 - CN EP US)

Citation (search report)
See references of WO 2015162297A1

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)
WO 2015162297 A1 20151029; CA 2946798 A1 20151029; CN 106463212 A 20170222; CN 106463212 B 20181106; EP 3134905 A1 20170301; EP 3134905 B1 20200318; JP 2017514285 A 20170601; JP 6360912 B2 20180718; US 10438724 B2 20191008; US 2017103830 A1 20170413

DOCDB simple family (application)
EP 2015059078 W 20150427; CA 2946798 A 20150427; CN 201580022513 A 20150427; EP 15723847 A 20150427; JP 2016564247 A 20150427; US 201615333391 A 20161025