

Title (en)  
DATA CABLE

Title (de)  
DATENKABEL

Title (fr)  
CÂBLE DE DONNÉES

Publication  
**EP 3103122 B1 20180718 (DE)**

Application  
**EP 15707555 A 20150204**

Priority  
• DE 102014202214 A 20140206  
• DE 102014207781 A 20140425  
• EP 2015052329 W 20150204

Abstract (en)  
[origin: WO2015118025A1] The aim of the invention is to achieve a good transmission quality for a data cable (2) used in particular for automotive Internet applications. To achieve this, the data cable (2) has a transmission core (4) consisting only of a single stranded conductor pair or of four conductors (6) stranded together together to form a quad. The transmission core (4) is surrounded by a jacket (14,18,26,28,30) having a high air content. Said jacket can be formed by a foamed sheath (14,26), or alternatively by at least one spacer element (18,28,30) which defines an annular sheath space comprising air gaps (22) around the transmission core (4).

IPC 8 full level  
**H01B 7/18** (2006.01); **H01B 11/06** (2006.01)

CPC (source: EP US)  
**H01B 7/0216** (2013.01 - US); **H01B 7/1875** (2013.01 - EP US); **H01B 11/002** (2013.01 - US); **H01B 11/005** (2013.01 - US);  
**H01B 11/06** (2013.01 - EP US)

Cited by  
US10446293B2; US10553329B2; US10818412B2; US10825577B2

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

DOCDB simple family (publication)  
**WO 2015118025 A1 20150813**; AU 2015215010 A1 20160128; AU 2015215010 B2 20170831; CA 2919430 A1 20150813;  
EP 3103122 A1 20161214; EP 3103122 B1 20180718; JP 2016534516 A 20161104; JP 2018026353 A 20180215; JP 6247395 B2 20171213;  
US 2016225487 A1 20160804; US 9852827 B2 20171226

DOCDB simple family (application)  
**EP 2015052329 W 20150204**; AU 2015215010 A 20150204; CA 2919430 A 20150204; EP 15707555 A 20150204; JP 2016537351 A 20150204;  
JP 2017197643 A 20171011; US 201615095628 A 20160411