

Title (en)
Sensor cable and system

Title (de)
Sensorkabel und System

Title (fr)
Câble de capteur et système

Publication
EP 2804166 A1 20141119 (EN)

Application
EP 13167467 A 20130513

Priority
EP 13167467 A 20130513

Abstract (en)
A sensor cable is provided comprising a deformable signal line for transmitting a signal, and one or more rigid portions and one or more resilient portions for reversibly deforming the signal line in the cable under the influence of a varying external load on the cable and therewith affecting a signal transmission property of the signal line for transmitting the signal. A portion of the cable comprises an axis and a core extending along the axis, a portion of the signal line being helically wound around the core and the rigid and resilient portions being arranged for, under the influence of the varying external load on the sensor cable, reversibly deforming the signal line with respect to the axis.

IPC 8 full level
G08G 1/02 (2006.01)

CPC (source: EP)
G08G 1/02 (2013.01)

Citation (applicant)
• WO 2004006200 A2 20040115 - LIGHTSPEED INV S B V [NL], et al
• WO 9826388 A1 19980618 - SOCOA INT HOLDING SA [LU], et al
• JP 2005184772 A 20050707 - OKI ELECTRIC IND CO LTD
• US 4572950 A 19860225 - HARMER ALAN L [CH]
• EP 1571433 A2 20050907 - DENSO CORP [JP]
• EP 0419267 A1 19910327 - HERGA ELECTRIC [GB]
• GB 2015844 A 19790912 - COMP GENERALE ELECTRICITE
• US 4701614 A 19871020 - JAEGER RAYMOND E [US], et al
• US 4927232 A 19900522 - GRIFFITHS RICHARD W [US]
• WO 2005034058 A1 20050414 - LIGHTSPEED INV S B V [NL], et al
• JP H10153716 A 19980609 - FURUKAWA ELECTRIC CO LTD
• KR 930065855 A

Citation (search report)
• [XAI] WO 02065426 A1 20020822 - QINETIQ LTD [GB], et al
• [XI] WO 9919697 A1 19990422 - HAENNI & CIE AG [CH], et al

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 2804166 A1 20141119; EP 2997560 A1 20160323; EP 2997560 B1 20190828; ES 2757906 T3 20200430; WO 2014184144 A1 20141120

DOCDB simple family (application)
EP 13167467 A 20130513; EP 14723437 A 20140512; EP 2014059663 W 20140512; ES 14723437 T 20140512