

Title (en)
OPTICAL COMMUNICATION BUS NETWORK FOR AVIONIC EQUIPMENT

Title (de)
OPTISCHES KOMMUNIKATIONSBUSNETZ FÜR AVIONIKGERÄTE

Title (fr)
RESEAU DE BUS DE COMMUNICATION OPTIQUE POUR EQUIPEMENTS D'AVIONIQUE

Publication
EP 1932039 A1 20080618 (FR)

Application
EP 06808265 A 20060831

Priority
• FR 2006050825 W 20060831
• FR 0552634 A 20050831

Abstract (en)
[origin: FR2890275A1] The system has a pair of equipments comprising electrical interfaces connected using electrical communication bus. The equipments exchange information through an optical communication bus connected to the interfaces. A connector (30) is provided at ends of the optical communication bus. The connector has a conversion component (45) e.g. LED, laser diode, for converting electrical signals into optical signals, and conversion component (46) e.g. phototransistor, for converting optical signals into electrical signals. Independent claims are also included for the following: (1) a bidirectional bus for communicating data in the form of digital signals between avionic equipments (2) an avionic equipment.

IPC 8 full level
G02B 6/42 (2006.01); **G06F 13/38** (2006.01); **H04B 10/12** (2006.01); **H04B 10/2581** (2013.01)

CPC (source: EP US)
G02B 6/4246 (2013.01 - EP US); **G02B 6/4284** (2013.01 - EP US)

Citation (search report)
See references of WO 2007026102A1

Citation (examination)
EP 0148049 A1 19850710 - THOMSON CSF [FR]

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

DOCDB simple family (publication)
FR 2890275 A1 20070302; FR 2890275 B1 20081219; BR PI0615037 A2 20160913; CA 2620025 A1 20070308; CN 101375193 A 20090225; CN 101375193 B 20130612; EP 1932039 A1 20080618; JP 2009505899 A 20090212; RU 2008111743 A 20091010; RU 2428726 C2 20110910; US 2012141066 A1 20120607; US 8636427 B2 20140128; WO 2007026102 A1 20070308; WO 2007026102 B1 20070503

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