

Title (en)

ONE WAY SINGLE-WIRE COMMUNICATION INTERFACE

Title (de)

EINRICHTUNGSKOMMUNIKATIONSSCHNITTSTELLE MIT EINER EINZIGEN LEITUNG

Title (fr)

INTERFACE DE COMMUNICATION UNIFILAIRE UNIDIRECTIONNELLE

Publication

**EP 1230741 A1 20020814 (EN)**

Application

**EP 00975459 A 20001027**

Priority

- US 0029726 W 20001027
- US 16194099 P 19991028

Abstract (en)

[origin: WO0131801A1] A data communication interface for transferring at least one data bit to a host processor. The interface includes a one-wire data line, and a slave processor connected to the data line and including a pull-down circuit for varying voltage on the data line. The slave processor is passive and incapable of sampling data from the data line. The slave processor is programmed to vary voltage on the data line when the data line is energized, to signal of at least one data bit.

IPC 1-7

**H04B 1/38**; **H04L 5/16**

IPC 8 full level

**G06F 13/40** (2006.01); **G06F 13/42** (2006.01); **H04B 1/16** (2006.01); **H04L 25/02** (2006.01); **H04L 29/10** (2006.01); **H04M 1/00** (2006.01)

CPC (source: EP KR)

**G06F 13/4286** (2013.01 - EP); **H04L 5/16** (2013.01 - KR); **Y02D 10/00** (2017.12 - EP)

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

**WO 0131801 A1 20010503**; AU 1350901 A 20010508; CN 1382326 A 20021127; EP 1230741 A1 20020814; EP 1230741 A4 20060426; JP 2003513504 A 20030408; KR 20020033794 A 20020507; MX PA02002334 A 20020730; TW 531985 B 20030511

DOCDB simple family (application)

**US 0029726 W 20001027**; AU 1350901 A 20001027; CN 00814769 A 20001027; EP 00975459 A 20001027; JP 2001533641 A 20001027; KR 20027003245 A 20020312; MX PA02002334 A 20001027; TW 89122849 A 20001030