

Title (en)

Optical interface for the diagnosis of optoelectronic cooking appliance control

Title (de)

Optische Schnittstelle, insbesondere zur Diagnose einer optoelektronischen Kochstellensteuerung

Title (fr)

Interface optique pour diagnostiques d'une commande optoélectronique de points de cuisson

Publication

**EP 0788250 A3 20011107 (DE)**

Application

**EP 97100681 A 19970117**

Priority

DE 19603295 A 19960130

Abstract (en)

[origin: EP0788250A2] The optical interface provides bi-directional optical data transmission using serial, specific pulse-width modulated (PWM) signals. The pulses of the PWM signals have steep flanks and/or pulse amplitude w.r.t. the simultaneous noise signals. The interface transmits data to a receiver which is connected to a differentiator which is in turn connected to a Schmitt trigger. The interface receives data from a programming and/or diagnosis device via an interface converter. The receivers at the interface input and output sides are inactive while the transmitters are active. The optical interface has a micro-controller as its central control unit.

IPC 1-7

**H04B 10/10**; H04L 25/49; H05B 3/74

IPC 8 full level

**G08C 23/04** (2006.01); **H05B 3/74** (2006.01)

CPC (source: EP)

**G08C 23/04** (2013.01); **H05B 3/74** (2013.01); **G08C 2201/21** (2013.01); **G08C 2201/50** (2013.01)

Citation (search report)

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- [Y] EP 0610592 A2 19940817 - MITSUBISHI ELECTRIC CORP [JP]
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Cited by

FR2866512A1

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

**DE 19603295 A1 19970731**; EP 0788250 A2 19970806; EP 0788250 A3 20011107

DOCDB simple family (application)

**DE 19603295 A 19960130**; EP 97100681 A 19970117