Title (en)
INTERFACE DEVICE AND METHOD FOR SYNCHRONIZING DATA

Title (de)
SCHNITTSTELLENVORRICHTUNG UND VERFAHREN ZUR SYNCHRONISATION VON DATEN

Title (fr)
DISPOSITIF D'INTERFACE ET PROCEDE DE SYNCHRONISATION DE DONNEES

Publication
EP 1721407 A1 20061115 (DE)

Application
EP 05734842 A 20050301

Priority
• DE 2005000341 W 20050301
• DE 102004010562 A 20040301

Abstract (en)
[origin: WO2005086408A1] The invention relates to an interface device (4) comprising a first register device (6) and a second register device (7) connected in parallel thereto, which are configured for accepting a data word (DW). The interface device (4) comprises a synchronizing means (52) to which a first and second clock signal (T1, T2) are fed and which is configured for outputting a selection signal derived from the first clock signal in order to select the first or second register device (6, 7) for storing a data word (DW) at the data input (41). In addition, the synchronizing means (52) is configured for outputting an actuating signal (MUX) derived from the selection signal and from the second clock signal to an actuating output (55). The actuating output (55) is coupled to a selecting means (8) via which the output of one of the two register devices (6, 7) can be connected to the data output (42) of the interface device. An additional register device can be foregone due to the comparison of the selection signal with the second clock signal (T2).

IPC 8 full level
H04L 7/00 (2006.01); **H03K 5/135** (2006.01)

CPC (source: EP KR US)
H03K 5/13 (2013.01 - KR); **H04L 7/00** (2013.01 - KR); **H04L 7/0012** (2013.01 - EP US); **H04L 7/02** (2013.01 - KR); **H04L 7/04** (2013.01 - KR)

Citation (search report)
See references of WO 2005086408A1

Designated contracting state (EPC)
DE FR GB

DOCDB simple family (publication)
WO 2005086408 A1 20050915; CN 1926798 A 20070307; CN 1926798 B 20100929; DE 102004010562 A1 20051006; DE 102004010562 B4 20080424; EP 1721407 A1 20061115; KR 100817270 B1 20080327; KR 20060131876 A 20061220; US 2007064846 A1 20070322; US 7650523 B2 20100119

DOCDB simple family (application)
DE 2005000341 W 20050301; CN 200580006729 A 20050301; DE 102004010562 A 20040301; EP 05734842 A 20050301; KR 20067017884 A 20060901; US 51175806 A 20060829