

Title (en)
DIGITAL SIGNAL PROCESSING DEVICE

Title (de)
DIGITALE SIGNALVERARBEITUNGSEINRICHTUNG

Title (fr)
UNITE DE TRAITEMENT DE SIGNAUX NUMERIQUE

Publication
EP 1665029 A2 20060607 (DE)

Application
EP 04761027 A 20040907

Priority
• AT 2004000305 W 20040907
• AT 14062003 A 20030908

Abstract (en)
[origin: WO2005024542A2] The invention relates to a digital signal processing device comprising: input storage means (3; 5); a computational device (4) that is connected to said means, defines a data path (9) and contains at least one arithmetic unit (6) in addition to a control input (2a) for specifying calculation operations; and output storage means (8). The data path (9) between the arithmetic unit (6; 7) and the output storage means (8) is equipped with a number-format conversion unit (10) comprising a shift unit (17). A number-format specification unit (11) and a control unit (17'), which is connected to the latter and calculates required shift operations on the basis of the number-format specification, are assigned to the number-format conversion unit (10). Formatting operations are calculated automatically using input and output format information and corresponding commands are applied to the shift unit (17).

IPC 1-7
G06F 5/01

IPC 8 full level
G06F 5/01 (2006.01); **G06F 7/499** (2006.01); **G06F 7/57** (2006.01); **H03M 7/24** (2006.01); **G06F 7/544** (2006.01)

CPC (source: EP US)
G06F 7/57 (2013.01 - EP US); **G06Q 99/00** (2013.01 - EP US); **H03M 7/24** (2013.01 - EP US); **G06F 7/49947** (2013.01 - EP US); **G06F 7/5443** (2013.01 - EP US); **G06F 2207/3824** (2013.01 - EP US)

Citation (search report)
See references of WO 2005024542A2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2005024542 A2 20050317; **WO 2005024542 A3 20050526**; AT 413895 B 20060715; AT A14062003 A 20051015; CA 2537549 A1 20050317; EP 1665029 A2 20060607; US 2007033152 A1 20070208

DOCDB simple family (application)
AT 2004000305 W 20040907; AT 14062003 A 20030908; CA 2537549 A 20040907; EP 04761027 A 20040907; US 57102106 A 20060515