

Title (en)

RECONFIGURABLE FLOATING-POINT AND BIT LEVEL DATA PROCESSING UNIT

Title (de)

REKONFIGURI ERBARE FLIESSKOMMA- UND BIT- EBENEN DATENVERARBEITUNGSEINHEIT

Title (fr)

UNITÉ DE TRAITEMENT DE DONNÉES RECONFIGURABLE À VIRGULE FLOTTANTE ET À NIVEAU BINAIRE

Publication

EP 2220554 A1 20100825 (DE)

Application

EP 08850421 A 20081117

Priority

- DE 2008001892 W 20081117
- DE 102007055131 A 20071117
- DE 102007056806 A 20071123
- DE 102008014705 A 20080318

Abstract (en)

[origin: WO2009062496A1] Blocks of fixed-point units in a reconfigurable data processing unit assist the efficient calculation of floating-point numbers by virtue of joint hardware functions permanently implemented within the block.

IPC 8 full level

G06F 7/57 (2006.01); **G06F 15/78** (2006.01); **H03K 19/177** (2006.01)

CPC (source: EP US)

G06F 7/483 (2013.01 - EP US)

Citation (search report)

See references of WO 2009062496A1

Citation (examination)

GOLDBERG D: "WHAT EVERY COMPUTER SCIENTIST SHOULD KNOW ABOUT FLOATING-POINT ARITHMETIC", ACM COMPUTING SURVEYS, ACM, NEW YORK, NY, US, US, vol. 23, no. 1, 1 March 1991 (1991-03-01), pages 5 - 48, XP000984710, ISSN: 0360-0300, DOI: 10.1145/103162.103163

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

WO 2009062496 A1 20090522; DE 112008003643 A5 20101028; EP 2220554 A1 20100825; JP 2011503733 A 20110127; US 2010281235 A1 20101104

DOCDB simple family (application)

DE 2008001892 W 20081117; DE 112008003643 T 20081117; EP 08850421 A 20081117; JP 2010533431 A 20081117; US 74335608 A 20081117