

Title (en)

MEMORY INTERFACE, MEMORY ARRANGEMENT AND METHOD OF CONTROLLING MEMORY ACCESS

Title (de)

SPEICHERSCHNITTSTELLE, SPEICHERANORDNUNG UND VERFAHREN ZUR STEUERUNG DES SPEICHERZUGRIFFS

Title (fr)

INTERFACE MEMOIRE, SYSTEME MEMOIRE ET PROCEDE PERMETTANT DE CONTROLER L'ACCES MEMOIRE

Publication

**EP 1789870 A1 20070530 (EN)**

Application

**EP 05781155 A 20050825**

Priority

- IB 2005052790 W 20050825
- EP 04104247 A 20040903
- EP 05781155 A 20050825

Abstract (en)

[origin: WO2006024999A1] A memory interface (1) for controlling access to a program and/or data memory (MEM) is disclosed that is divided into a plurality of memory areas (SROM O..SROM 5.5, EROM O..EROM 7.5, UROM O..UROM 3.5). The memory interface (1) comprises address calculating means (2) for converting a logic memory address (iadr[O-i] into a physical memory address (phys adr[0 j]) by performing a logic operation on the logic memory address (iadr[O-i]) with an offset value (OFFSET BOOT, OFFSET RT1, OFFSET RT2) that is assigned to the given memory area (SROM O..SROM 5.5, EROM O..EROM 7.5, UROM O..UROM 3.5) and that is stored in a volatile offset memory (3). At least one offset value (OFFSET BOOT) is read from a preset address in the program and/or data memory (MEM) therefore.

IPC 8 full level

**G06F 9/35** (2006.01); **G06F 9/345** (2006.01); **G06F 9/355** (2006.01)

CPC (source: EP KR)

**G06F 12/0223** (2013.01 - EP); **G06F 12/0653** (2013.01 - EP); **G11C 8/00** (2013.01 - KR)

Citation (search report)

See references of WO 2006024999A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

**WO 2006024999 A1 20060309**; CN 100520711 C 20090729; CN 101057216 A 20071017; EP 1789870 A1 20070530; JP 2008511896 A 20080417; KR 20070101208 A 20071016

DOCDB simple family (application)

**IB 2005052790 W 20050825**; CN 200580037498 A 20050825; EP 05781155 A 20050825; JP 2007529400 A 20050825; KR 20077007615 A 20070403