Title (en)
COMPUTING SYSTEM FOR UNIFIED MEMORY ACCESS

Title (de)
RECHNERSYSTEM FÜR EINEN EINHEITLICHEN SPEICHERZUGRIFF

Title (fr)
SYSTÈME INFORMATIQUE POUR ACCÈS À UNE MÉMOIRE UNIFIÉE

Publication
EP 3695316 A1 20200819 (EN)

Application
EP 17787381 A 20171017

Priority
EP 2017076477 W 20171017

Abstract (en)
[origin: WO2019076442A1] The invention provides a computing system (100) for unified memory access, comprising a first processing unit (101) and a second processing unit (102), a shared memory (103) including a first memory segment (104) and a second memory segment (105), an operating system (106), operated at least partly by the first processing unit (101), and an application (107), operated at least partly by the operating system (106). The first processing unit (101) and the second processing unit (102) are connected to the shared memory (103). The operating system (106) is configured to control at least one of the first processing unit (101) and the second processing unit (102), and the shared memory (103), based on requirements information comprised in the operating system (106) and/or the application (107), to allocate the first memory segment (104) to at least a part of the application (107), wherein the requirements information comprises executable binary code that comprises information regarding a type and/or a state of a memory segment required by at least a part of the application (107).

IPC 8 full level
G06F 12/08 (2016.01); **G06F 8/41** (2018.01); **G06F 9/445** (2018.01); **G06F 9/50** (2006.01); **G06F 12/0815** (2016.01)

CPC (source: CN EP)
G06F 8/451 (2013.01 - EP); **G06F 8/454** (2013.01 - EP); **G06F 9/44521** (2013.01 - EP); **G06F 9/5083** (2013.01 - EP); **G06F 9/5088** (2013.01 - EP); **G06F 12/023** (2013.01 - CN); **G06F 12/0877** (2013.01 - CN); **G06F 13/1663** (2013.01 - CN)

Citation (search report)
See references of WO 2019076442A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
WO 2019076442 A1 20190425; CN 111247512 A 20200605; CN 111247512 B 20211109; CN 114153751 A 20220308; EP 3695316 A1 20200819

DOCDB simple family (application)
EP 2017076477 W 20171017; CN 201780096058 A 20171017; CN 202111316767 A 20171017; EP 17787381 A 20171017