Title (en)
UPGRADING AN ELASTIC COMPUTING CLOUD SYSTEM

Title (de)
AUFRÜSTUNG EINES ELASTISCHEN COMPUTING-CLOUD-SYSTEMS

Title (fr)
MISE À NIVEAU D'UN SYSTÈME INFORMATIQUE SOUPLE EN NUAGE

Publication
EP 2661691 A4 20160323 (EN)

Application
EP 12731917 A 20120103

Priority
- CN 201110001297 A 20110105
- US 2012020055 W 20120103

Abstract (en)
[origin: WO2012094303A1] A server of an elastic computing cloud system includes a block device driver apparatus and at least a block device service apparatus. The server implements a hot deployment for a storage service, such that an upgrade of the storage service may be performed without interrupting the storage service. The block device driver apparatus maintains a waiting queue and a pending queue for each storage service. In response to determining a storage service will perform an upgrade, the block device driver apparatus stops processing data write/read requests that are maintained in the pending queue for the service, and puts the data write/read requests that are currently processed in the pending queue back to the waiting queue for re-dispatching, thus realizing completion of processing the upgrade of the storage service in the elastic computing cloud system without interrupting the storage service.

IPC 8 full level
G06F 11/00 (2006.01); **G06F 3/06** (2006.01); **G06F 9/44** (2006.01)

CPC (source: EP)
G06F 3/0607 (2013.01); **G06F 3/0659** (2013.01); **G06F 3/067** (2013.01); G06F 9/4411 (2013.01)

Citation (search report)
- [I] US 6721906 B1 20040413 - HIRASHITA SHOHICHI [JP], et al
- [A] US 2010077107 A1 20100325 - LEE SUE K [US], et al
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- See references of WO 2012094303A1

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

DOCDB simple family (publication)
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DOCDB simple family (application)
US 2012020055 W 20120103; CN 201110001297 A 20110105; EP 12731917 A 20120103; HK 12110494 A 20121022; JP 2013548460 A 20120103; TW 100132627 A 20110909