Title (en)
MULTI-DATABASE LOG WITH MULTI-ITEM TRANSACTION SUPPORT

Title (de)
MEHRFACHDATENBANKPROTOKOLL MIT MEHRFACHELEMENTTRANSAKTIONSUNTERSTÜTZUNG

Title (fr)
JOURNAL DE MULTIPLES BASES DE DONNÉES AVEC SUPPORT DE TRANSACTION À PLUSIEURS ÉLÉMENTS

Publication
EP 3161630 A1 20170503 (EN)

Application
EP 15739094 A 20150625

Priority
- US 201414316630 A 20140626
- US 201414316674 A 20140626
- US 201414316680 A 20140626
- US 201414316622 A 20140626
- US 201414316619 A 20140626
- US 2015037774 W 20150625

Abstract (en)
[origin: WO2015200686A1] At a logging service, a representation of a transaction requested by a client is received. The transaction includes at least a first write operation directed to a data object at a first data store. Based at least in part on the contents of the representation and contents of a persistent log of the logging service, a determination is made that the requested transaction is to be committed. A log record corresponding to the first write operation is inserted into the persistent log. The first write is propagated to the first data store after the record has been inserted in the persistent log.

IPC 8 full level
G06F 9/46 (2006.01); G06F 11/14 (2006.01); G06F 17/30 (2006.01)

CPC (source: CN EP KR)
G06F 9/466 (2013.01 - CN EP KR); G06F 11/1474 (2013.01 - KR); G06F 16/2322 (2019.01 - EP)

Citation (examination)
- US 6018739 A 20000125 - MCCOY MIKE [US], et al
- US 2008040628 A1 20080214 - MANDAL DEBDAYAL [IN]
- WO 2013062894 A1 20130502 - NEC LAB AMERICA INC [US]
- DIVYAKANT AGRAWAL ET AL: "Managing Geo-replicated Data in Multi-datacenters", DATABASES IN NETWORKED INFORMATION SYSTEMS, SPRINGER BERLIN HEIDELBERG, BERLIN, HEIDELBERG, vol. 7813, 25 March 2013 (2013-03-25), pages 23 - 43, XP047026686, ISBN: 978-3-642-37133-2
- MICHAEL LAWRENCE: "Multiobjective genetic algorithms for materialized view selection in OLAP data warehouses", GENETIC AND EVOLUTIONARY COMPUTATION, ACM, 2 PENN PLAZA, SUITE 701 NEW YORK NY 10121-0701 USA, 8 July 2006 (2006-07-08), pages 699 - 706, XP058223973, ISBN: 978-1-59593-186-3, DOI: 10.1145/1143997.1144120
- GENE T J WUU ET AL: "Efficient solutions to the replicated log and dictionary problems", OPERATING SYSTEMS REVIEW, ACM, NEW YORK, NY, US, vol. 20, no. 1, 1 January 1986 (1986-01-01), pages 57 - 66, XP058222228, ISSN: 0163-5980, DOI: 10.1145/12485.12491
- See also references of WO 2015200686A1

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 2015200686 A1 20151230; AU 2015279787 A1 20170112; AU 2015279787 B2 20181115; AU 2019200967 A1 20190228; AU 2019200967 B2 20200604; CA 2952971 A1 20151230; CA 2952971 C 20210330; CA 3108206 A1 20151230; CN 106462449 A 20170222; CN 106462449 B 20191029; CN 110673932 A 20200110; CN 110673932 B 20240209; EP 3161630 A1 20170503; EP 3835969 A1 20210616; JP 2017520844 A 20170727; JP 2018156683 A 20181004; JP 6353086 B2 20180704; JP 6688835 B2 20200428; KR 101860278 B1 20180521; KR 20170013991 A 20170207; SG 10201900418S A 20190227; SG 11201610664U A 20170127

DOCDB simple family (application)
US 2015037774 W 20150625; AU 2015279787 A 20150625; AU 2019200967 A 20190212; CA 2952971 A 20150625; CA 3108206 A 20150625; CN 201580034518 A 20150625; CN 201910910400 A 20150625; EP 15739094 A 20150625; EP 20212216 A 20150625; JP 2016573509 A 20150625; JP 2018109304 A 20180607; KR 20177000274 A 20150625; SG 10201900418S A 20150625; SG 11201610664U A 20150625