Title (en)

SYSTEMS AND METHODS FOR SYNCHRONIZING COMPUTER SYSTEMS THROUTH AN INTERMEDIARY FILE SYSTEM SHARE OR DEVICE

Title (de)

SYSTEME UND VERFAHREN ZUM SYNCHRONISIEREN VON COMPUTERSYSTEMEN DURCH EINE ZWISCHENDATEISYSTEMTEILUNG ODER EINRICHTUNG

Title (fr)

SYSTEMES ET PROCEDES POUR LA SYNCHRONISATION DE SYSTEMES INFORMATIQUES PAR UN PARTAGE OU DISPOSITIF DE SYSTEME DE FICHIER INTERMEDIAIRE

Publication

EP 1573600 A4 20060419 (EN)

Application

EP 04779486 A 20040729

Priority

- US 2004024441 W 20040729
- US 64664603 A 20030821
- US 0327419 W 20030821
- US 69250803 A 20031024
- US 56714104 P 20040430
- US 88362104 A 20040630
- US 88942304 A 20040712

Abstract (en)

[origin: WO2005024551A2] The invention is directed to systems and methods for the synchronization of two clients both utilizing a common storage platform (e.g., the new storage platform of the related inventions) to synchronize through an intermediary that is not using the same common storage platforrn (e.g., instead using a legacy storage platform that does not itself support synchronization for the new storage platform). Data is synchronized using the existing capabilities of the intermediary but where the data structure of the clients is preserved. An "adapter" is used to enable a client to interact with an intermediary by compensating for the intermediaries inability to preserve the data structure elements inherent to the client's storage platform. Specific embodiments are directed to either or both upload-syncing data from a client to a intermediary and/or download-syncing data from an intermediary to a client. Certain additional embodiments are further directed to compaction of data on the intermediary.

IPC 1-7

G06F 17/30

IPC 8 full level

G06F 17/30 (2006.01); **H04L 29/06** (2006.01); **H04L 29/08** (2006.01)

CPC (source: EP)

G06F 16/182 (2018.12); **G06F 16/25** (2018.12); **G06F 16/27** (2018.12); **H04L 67/1095** (2013.01); **H04L 67/30** (2013.01); **H04L 69/329** (2013.01)

Citation (search report)

- [X] WO 02075539 A2 20020926 - NOVELL INC [US], et al
- [X] HELAL S ET AL: "A three-tier architecture for ubiquitous data access", COMPUTER SYSTEMS AND APPLICATIONS, ACS/IEEE INTERNATIONAL CONFERENCE ON. 2001 BEIRUT, LEBANON 25-29 JUNE 2001, LOS ALAMITOS, CA, USA,IEEE COMPUT. SOC, US, 25 June 2001 (2001-06-25), pages 177 - 180, XP010551207, ISBN: 0-7695-1165-1
- [X] SESHADRI P ET AL: "SQLServer for Windows CE-a database engine for mobile and embedded platforms", DATA ENGINEERING, 2000. PROCEEDINGS. 16TH INTERNATIONAL CONFERENCE ON SAN DIEGO, CA, USA 29 FEB.-3 MARCH 2000, LOS ALAMITOS, CA, USA,IEEE COMPUT. SOC, US, 29 February 2000 (2000-02-29), pages 642 - 644, XP010378761, ISBN: 0-7695-0506-6
- [A] GRAY J ET AL: "The dangers of replication and a solution", SIGMOD RECORD, SIGMOD, NEW YORK, NY, US, vol. 25, no. 2, 4 June 1996 (1996-06-04), pages 173 - 182, XP002146555, ISSN: 0163-5808
- [A] SYNCML CONSORTIUM: "SyncML Sync Protocol, version 1.0", SYNCML CONSORTIUM, 7 December 2000 (2000-12-07), XP002217356
- [A] KISTLER J J ET AL: "DISCONNECTED OPERATION IN THE CODA FILE SYSTEM", ACM TRANSACTIONS ON COMPUTER SYSTEMS, ACM, NEW YORK, NY, US, vol. 10, no. 1, 1 February 1992 (1992-02-01), pages 3 - 25, XP000323223, ISSN: 0734-2071
- [A] KISTLER J J ED - CABRERA L-F ET AL: "Increasing file system availability through second-class replication", MANAGEMENT OF REPLICATED DATA, 1990. PROCEEDINGS., WORKSHOP ON THE HOUSTON, TX, USA 8-9 NOV. 1990, LOS ALAMITOS, CA, USA,IEEE COMPUT. SOC, US, 8 November 1990 (1990-11-08), pages 65 - 69, XP010021244, ISBN: 0-8186-2085-4
- See references of WO 2005024551A2

Citation (examination)

EP 1130513 A2 20010905 - FUSIONONE INC [US]

Designated contracting state (EPC)

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

DOCDB simple family (publication)

WO 2005024551 A2 20050317; **WO 2005024551 A3 20050519**; CN 100565505 C 20091202; CN 1781096 A 20060531; EP 1573600 A2 20050914; EP 1573600 A4 20060419; JP 2007527053 A 20070920; JP 4580389 B2 20101110

DOCDB simple family (application)

US 2004024441 W 20040729; CN 200480003285 A 20040729; EP 04779486 A 20040729; JP 2006523868 A 20040729