

Title (en)

DE-DUPLICATION IN VIRTUALIZED SERVER AND VIRTUALIZED STORAGE ENVIRONMENTS

Title (de)

ENTDUPLIZIERUNG IN EINEM VIRTUALISIERTEN SERVER UND VIRTUALISIERTEN SPEICHERUNGSUMGEBUNGEN

Title (fr)

DÉDUPLICATION DANS UN SERVEUR VIRTUALISÉ ET ENVIRONNEMENTS DE STOCKAGE VIRTUALISÉS

Publication

**EP 2186015 A4 20150429 (EN)**

Application

**EP 08829858 A 20080905**

Priority

- US 2008075467 W 20080905
- US 97018707 P 20070905
- US 97018107 P 20070905
- US 86458307 A 20070928
- US 86475607 A 20070928

Abstract (en)

[origin: WO2009033074A2] A data de-duplication application de-duplicates data on the primary storage read/write pathway of a virtualized server environment and/or in pooled storage capacity of a virtualized storage environment. A virtualized server environment includes multiple server applications operating on a virtualization layer provided on a computer architecture that includes memory for temporarily storing data and storage for persistently storing data. A virtualized storage environment includes multiple storage devices and a virtualization layer that aggregates all or a portion of the storage capacity of each storage device into a single pool of storage capacity. In the virtualized environments, the de- duplication application identifies redundant data in memory, storage, and/or pooled storage capacity and replaces the redundant data with one or more pointers pointing to a single copy of the data. The de-duplication application operates on fixed or variable size blocks of data and de-duplicates data either post-process or in-line.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

- [X] US 6789156 B1 20040907 - WALDSPURGER CARL A [US]
- [X] US 6075938 A 20000613 - BUGNION EDOUARD [US], et al
- [A] US 6374266 B1 20020416 - SHNELVAR RALPH [US]
- [I] US 6389433 B1 20020514 - BOLOSKY WILLIAM J [US], et al
- See references of WO 2009033074A2

Citation (examination)

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Designated contracting state (EPC)

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**WO 2009033074 A2 20090312; WO 2009033074 A3 20090514**; CN 101809559 A 20100818; CN 101809559 B 20131016; CN 102880626 A 20130116; CN 102880626 B 20160210; EP 2186015 A2 20100519; EP 2186015 A4 20150429

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