

Title (en)

GARBAGE COLLECTION SYSTEM AND PROCESS

Title (de)

MÜLLSAMMELSYSTEM UND VERFAHREN

Title (fr)

SYSTÈME ET PROCÉDÉ DE COLLECTE DE DÉCHETS

Publication

EP 3532939 A4 20200617 (EN)

Application

EP 17876888 A 20171129

Priority

- US 201662427353 P 20161129
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- US 2017063673 W 20171129

Abstract (en)

[origin: WO2018102392A1] A garbage collection process for a data deduplication storage system is disclosed. In one implementation, a method is disclosed to perform garbage collection that works effectively across a scale-out cluster and across very large amounts of data. The method includes compacting data in an object store in the scale-out cluster by examining data in a reference map of data blocks in the object store to determine which of the locations within a back-end object in an object store are referenced, and which locations are no longer referenced by a process. The back-end object in an Object Store are altered to remove block data from locations which are no longer referenced, and a hash-to-location table is updated to remove the entries for the removed block data.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

- [I] US 8224875 B1 20120717 - CHRISTIAENS MARK [BE], et al
- [A] US 2016170987 A1 20160616 - KESSELMAN ALEX [US]
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- [A] US 2008270436 A1 20081030 - FINEBERG SAMUEL A [US], et al
- [A] US 7085789 B1 20060801 - TARDITI DAVID R [US]
- See references of WO 2018102392A1

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

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