

Title (en)
SYSTEM AND METHOD FOR FLEXIBLE PHYSICAL-TO-LOGICAL MAPPING IN RAID ARRAYS

Title (de)
SYSTEM UND VERFAHREN ZUR FLEXIBLEN ABBILDUNG VON PHYSIKALISCH AUF LOGISCH AUF RAID-ARRAYS

Title (fr)
SYSTEME ET PROCEDE DE MISE EN CORRESPONDANCE DES STRUCTURES PHYSIQUES ET LOGIQUES DANS LES ENSEMBLES RAID

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EP 1828905 A4 20090506 (EN)

Application
EP 05800827 A 20050922

Priority
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• US 61180204 P 20040922

Abstract (en)
[origin: WO2006036810A2] A system, method and computer program for allocating physical memory from a group of N memory devices to logical volumes. A group of N memory devices are partitioned into a plurality of bands, each of the group of N memory devices sharing a portion of each of the plurality of bands. A cluster map for each of the plurality of bands is generated. The cluster maps indicate the physical address for each of a plurality of clusters. Each of the plurality of clusters are distributed equally over two or more of the N memory devices to ensure a specified level of redundancy for each of the plurality of bands. Each of the N memory devices share an approximately equal number of clusters. Available bands are determined and are allocated to a logical volume.

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Citation (search report)
• [X] WO 0131447 A1 20010503 - SUN MICROSYSTEMS INC [US]
• [A] JIN H ET AL: "Stripped mirroring RAID architecture", JOURNAL OF SYSTEMS ARCHITECTURE, ELSEVIER SCIENCE PUBLISHERS BV., AMSTERDAM, NL, vol. 46, no. 6, 1 April 2000 (2000-04-01), pages 543 - 550, XP004190490, ISSN: 1383-7621
• See references of WO 2006036810A2

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