

Title (en)

METHOD FOR RECOGNIZING A POWER OUTAGE IN A DATA MEMORY AND RECOVERING THE DATA MEMORY

Title (de)

VERFAHREN ZUR ERKENNUNG EINER VERSORGUNGSUNTERBRECHUNG IN EINEM DATENSPEICHER UND ZUR WIEDERHERSTELLUNG DES DATENSPEICHERS

Title (fr)

PROCEDE POUR RECONNAITRE L'INTERRUPTION DE L'ALIMENTATION D'UNE MEMOIRE DE DONNEES ET POUR RETABLIR LA MEMOIRE DE DONNEES

Publication

EP 1966696 A1 20080910 (DE)

Application

EP 06819943 A 20061212

Priority

- EP 2006069576 W 20061212
- DE 102005060901 A 20051220

Abstract (en)

[origin: WO2007071590A1] In order to detect a power outage in a volatile data memory containing useful data units and test data units associated with to the useful data units, the associated test data unit is read along with the useful data unit when said useful data unit is read-accessed, a decision is made as to whether the useful data is corrupt or not based on the test data unit, and a power outage is identified when at least two read useful data units within a predefined number of successive read accesses are considered to be corrupt.

IPC 8 full level

G06F 11/10 (2006.01); **G11C 11/4074** (2006.01)

CPC (source: EP US)

G06F 11/10 (2013.01 - EP US); **G11C 5/143** (2013.01 - EP US); **G11C 7/1006** (2013.01 - EP US); **G11C 11/4074** (2013.01 - EP US); **G11C 11/4096** (2013.01 - EP US)

Citation (search report)

See references of WO 2007071590A1

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DE 102005060901 A 20051220; CN 200680048094 A 20061212; CN 201410416313 A 20061212; EP 06819943 A 20061212; EP 2006069576 W 20061212; JP 2008546376 A 20061212; US 9732406 A 20061212