Title (en)

GROUP-TO-GROUP COMMUNICATION OVER A SINGLE CONNECTION AND FAULT TOLERANT SYMMETRIC MULTI-COMPUTING SYSTEM

Title (de)

KOMMUNIKATION VON GRUPPE ZU GRUPPE ÜBER EINE EINZIGE VERBINDUNG UND FEHLERTOLERANTES SYMMETRISCHES MEHRFACH-DATENVERARBEITUNGSSYSTEM

Title (fr)

COMMUNICATION GROUPE A GROUPE VIA UN SYSTEME MULTI-TRAITEMENT SYMETRIQUE A CONNEXION UNIQUE ET INSENSIBLE AUX DEFAILLANCES

Publication

EP 1668527 A4 20100224 (EN)

Application

EP 04784749 A 20040921

Priority

- US 2004031020 W 20040921
- US 50509903 P 20030922
- US 50509103 P 20030922
- US 94226004 A 20040915
- US 94276304 A 20040915

Abstract (en)

[origin: WO2005031588A1] A system enabled for reliable and ordered data communication between two sets of nodes with atomic multi-point delivery and multi-point transmission, for example, extending TCP/IP is described hereon. When multiple nodes must be delivered with data, the delivery is performed atomically. A system enabled for fault-tolerant symmetric multi-computing using a group of nodes is also described hereon. A symmetrical group of nodes networked using a reliable, ordered, and atomic group-to-group TCP communication system is used in providing fault-tolerance and single system image to client applications. The communication between the client and the group is standards based in that any standard TCP/IP endpoint is able to seamlessly communicate with the group. The processing load is shared among a group of nodes with transparent distribution of tasks to application segments. The system is fault-tolerant in that if a node fails remaining replicas if any continue service without disruption of service or connection.

IPC 8 full level

G06F 15/16 (2006.01); **H04L 29/06** (2006.01)

CPC (source: EP KR)

G06F 15/16 (2013.01 - KR); **H04L 61/00** (2013.01 - KR); **H04L 67/00** (2013.01 - EP)

Citation (search report)

- [X] US 6611873 B1 20030826 - KANEHARA FUMIKAZU [JP]
- [A] WO 02091709 A2 20021114 - XDEGRESS INC [US]
- See references of WO 2005031588A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

WO 2005031588 A1 20050407; AU 2004277204 A1 20050407; CA 2538084 A1 20050407; EP 1668527 A1 20060614; EP 1668527 A4 20100224; JP 2007520093 A 20070719; KR 20060090810 A 20060816

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