Title (en)

SYSTEM, DEVICE, AND METHOD FOR MANAGING MULTICAST GROUP MEMBERSHIPS IN A MULTICAST NETWORK

Title (de)

SYSTEM, VORRICHTUNG UND VERFAHREN ZUM VERWALTEN VON MULTICAST-GRUPPENZUGEHÖRIGKEITEN IN EINEM MULTICAST-NETZWERK

Title (fr)

SYSTEME, DISPOSITIF ET PROCEDE DE GESTION DE L'APPARTENANCE A UN GROUPE MULTIDESTINATAIRE DANS UN RESEAU MULTIDESTINATAIRE

Publication

EP 1029263 A4 20000906 (EN)

Application

EP 98911499 A 19980306

Priority

• US 9804384 W 19980306
• US 84777397 A 19970423

Abstract (en)

[origin: WO9848343A1] A system (300, 400, 500), device (1200), and method (600) for managing multicast group memberships in a multicast network uses IGMP spoofing to consolidate the multicast group memberships of a number of multicast hosts into a single IGMP Host. The IGMP spoofing agent maintains a group list indicating the multicast group membership status for the number of multicast hosts. The IGMP spoofing agent establishes a multicast group membership with a remote multicast device when at least one of the number of mulicast hosts requests membership in the multicast group. The IGMP spoofing agent cancels the multicast group with the remote multicast device when all of the multicast hosts have left the multicast group. The IGMP spoofing agent responds to status inquiries from the remote multicast device as a proxy on behalf of the number of multicast hosts.

IPC 1-7

G06F 3/14; G06F 17/30; H04L 12/18

IPC 8 full level

G06F 15/177 (2006.01); **H04L 12/18** (2006.01); H04L 12/28 (2006.01)

CPC (source: EP KR)

G06F 3/14 (2013.01 - KR); **H04L 12/185** (2013.01 - EP); H04L 12/2801 (2013.01 - EP)

Citation (search report)

• [X] WO 9634474 A1 19961031 - CABLETRON SYSTEMS INC [US]
• See references of WO 9848343A1

Cited by

WO2008053064A1

Designated contracting state (EPC)

DE FR GB IT SE

DOCDB simple family (publication)

WO 9848343 A1 19981029; AU 6544098 A 19981113; AU 735576 B2 20010712; BR 9815478 A 20011106; CA 2287195 A1 19981029; CN 1253641 A 20000517; EP 1029263 A1 20000823; EP 1029263 A4 20000906; JP 2001521716 A 20011106; KR 100358882 B1 20021031; KR 20010020190 A 20010315; MY 132907 A 20071031; TW 367449 B 19990821

DOCDB simple family (application)

US 9804384 W 19980306; AU 6544098 A 19980306; BR 9815478 A 19980306; CA 2287195 A 19980306; CN 98804458 A 19980306; EP 98911499 A 19980306; JP 54572598 A 19980306; KR 19997009765 A 19991022; MY PI9801692 A 19980416; TW 87103671 A 19980312