

Title (en)  
SYSTEMS AND METHODS FOR MULTICAST GROUP ROUTING, FIRMWARE UPDATING, AND NEXT-HOP ROUTING IN TREE-BASED WIRELESS NETWORKS

Title (de)  
SYSTEME UND VERFAHREN FÜR MULTICAST-GRUPPEN-ROUTING, FIRMWARE-AKTUALISIERUNG UND NEXT-HOP-ROUTING IN BAUMBASIERTEN DRAHTLOSEN NETZWERKEN

Title (fr)  
SYSTÈMES ET PROCÉDÉS DE ROUTAGE DE GROUPE DE MULTIDIFFUSION, DE MISE À JOUR DE MICROLOGICIEL ET DE ROUTAGE DE SAUT SUIVANT DANS DES RÉSEAUX SANS FIL REPOSANT SUR UNE ARBORESCENCE

Publication  
**EP 3878215 A1 20210915 (EN)**

Application  
**EP 19883046 A 20191108**

Priority  
• US 201862757185 P 20181108  
• US 201862757186 P 20181108  
• US 201862757183 P 20181108  
• IB 2019001244 W 20191108

Abstract (en)  
[origin: WO2020095114A1] Approaches for multicast routing a group packet that includes a payload and routing information (e.g., a target identifier vector and a target multicast group ID) in a network having multiple cells each comprising a parent node and one or more child nodes include establishing and storing one or more child-node multicast group map tables associated with the child node(s) for each cell; receiving a multicast group packet; determining whether to forward the multicast group packet to the child node(s) based at least in part on the child- node multicast group map table(s) associated therewith and the received target identifier vector; and if so, causing the parent node to forward the multicast group packet to the child node(s).

IPC 8 full level  
**H04W 40/32** (2009.01); **H04L 12/18** (2006.01); **H04L 45/16** (2022.01)

CPC (source: EP IL)  
**H04L 12/1881** (2013.01 - EP IL); **H04L 45/16** (2013.01 - EP IL); **H04W 40/32** (2013.01 - EP IL)

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

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**WO 2020095114 A1 20200514**; AU 2019375082 A1 20210603; EP 3878215 A1 20210915; EP 3878215 A4 20221019; IL 282915 A 20210630

DOCDB simple family (application)  
**IB 2019001244 W 20191108**; AU 2019375082 A 20191108; EP 19883046 A 20191108; IL 28291521 A 20210504