

Title (en)

FRAME CLASSIFICATION FOR QOS-DRIVEN WIRELESS LOCAL AREA NETWORKS

Title (de)

RAHMENKLASSIFIKATION FÜR QOS-GESTEUERTE DRAHTLOSE LOKALE NETZE

Title (fr)

CLASSIFICATION DE TRAME POUR SYSTEME DE NAVIGATION TERRESTRE RADIO SUR SUPPORT QUALITE DE SERVICE (QOS)

Publication

EP 1303946 A2 20030423 (EN)

Application

EP 01951040 A 20010711

Priority

- US 0121798 W 20010711
- US 61689600 A 20000714

Abstract (en)

[origin: WO0207388A2] A frame classification entity (FCE) for a station in a basic service set (BSS) in a wireless local area network (WLAN) is disclosed. The FCE includes a classification table. The classification table is logically located at a logical link control (LLC) sublayer of the station, and contains at least one classifier entry. Accordingly, the station can include a point coordinator (PC) or be a non-PC station. Each classifier entry includes at least a virtual stream identifier (VSID), a search priority value, and at least one classifier parameter. Each classifier entry in the classification table is arranged in a hierarchical order based on the search priority value included in the classifier entry. The FCE receives at least one data frame passed down to the LLC sublayer of the station from a higher layer in the station. The FCE then classifies each received data frame to a VSID by examining the data frame against the classification table of the station. When the data frame is examined and the VSID of the data frame is contained in a classifier entry of the classification table, the VSID is associated with a QoS parameter set for transporting the data frame between peer LLC entities of the BSS. When the frame classification information contained in a received data frame is not included in any classifier entry in the classification table, result of classification is expressed in a special VSID that is not associated with a QoS parameter set and the data frame is transported between peer LLC entities of the BSS on a best-effort basis.

IPC 1-7

H04L 12/28

IPC 8 full level

H04L 12/28 (2006.01); **H04L 12/801** (2013.01); **H04L 12/851** (2013.01)

CPC (source: EP KR)

H04L 12/28 (2013.01 - KR); **H04L 47/24** (2013.01 - EP); **H04W 28/02** (2013.01 - EP); **H04W 28/16** (2013.01 - EP); **H04W 84/12** (2013.01 - EP)

Citation (search report)

See references of WO 0207388A2

Designated contracting state (EPC)

AT BE CH DE FR GB LI

DOCDB simple family (publication)

WO 0207388 A2 20020124; **WO 0207388 A3 20030206**; AU 7197701 A 20020130; CA 2415428 A1 20020124; EP 1303946 A2 20030423; JP 2004512705 A 20040422; KR 20030059075 A 20030707

DOCDB simple family (application)

US 0121798 W 20010711; AU 7197701 A 20010711; CA 2415428 A 20010711; EP 01951040 A 20010711; JP 2002513163 A 20010711; KR 20037000567 A 20030114