

Title (en)

SYSTEM AND METHOD FOR REAL TIME ADAPTIVE CAPACITY SCHEDULING

Title (de)

SYSTEM UND VERFAHREN FÜR DIE ADAPTIVE ECHTZEIT-KAPAZITÄTSPLANUNG

Title (fr)

SYSTEME ET PROCEDE DE PROGRAMMATION ADAPTATIVE DES CAPACITES EN TEMPS REEL

Publication

EP 1366587 A4 20050629 (EN)

Application

EP 02709321 A 20020206

Priority

- US 0203187 W 20020206
- US 26647501 P 20010206

Abstract (en)

[origin: WO02063798A1] A dynamic bandwidth allocation system and method for dynamically sharing a communication bandwidth. The system provides a scheduler (310) that enables the method to process bandwidth information in a communication system (300). The communication system (300) preferably includes one or more communication arrays, or hubs (320), which are centrally located to provide an airlink between a plurality of physically separated processor-based systems or remote units RUs(330 a-f), or other sources of communication such as voice communication, utilizing a communication device, or node. Each hub (320) and RU (330) includes one or more controllers (340, 350). The scheduler (310) utilizes the controllers (340, 350) to track and process bandwidth information for communicating between the one or more hubs (320) and the plurality of RUs (330 a-f). Each RU (330) generally services a plurality of bursty data traffic sources. The scheduler (310) tracks an airlink communication traffic in both downlink and/or uplink directions to accurately determine airlink bandwidth requests for the plurality of RUs (330 a-f).

IPC 1-7

H04J 3/16; **H04L 12/56**

IPC 8 full level

H04B 7/212 (2006.01); **H04B 7/26** (2006.01); **H04J 3/06** (2006.01); **H04J 3/16** (2006.01); **H04L 7/04** (2006.01); **H04L 12/28** (2006.01); **H04L 12/54** (2013.01); **H04L 47/30** (2022.01); **H04L 47/62** (2022.01); **H04N 7/173** (2006.01); **H04W 72/04** (2009.01); **H04H 20/28** (2008.01); **H04W 16/14** (2009.01); **H04W 24/00** (2009.01); **H04W 28/14** (2009.01); **H04W 28/18** (2009.01); **H04W 72/12** (2009.01)

IPC 8 main group level

H04H 1/00 (2006.01)

CPC (source: EP)

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Citation (search report)

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- See references of WO 02063810A1

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