

Title (en)
SYSTEM AND METHOD FOR DYNAMIC BANDWIDTH ALLOCATION

Title (de)
SYSTEM UND VERFAHREN ZUR DYNAMISCHEN BANDBREITENZUTEILUNG

Title (fr)
SYSTEME ET PROCEDE DYNAMIQUE D'ATTRIBUTION DE LARGEUR DE BANDE

Publication
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Application
EP 02706145 A 20020206

Priority

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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).

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IPC 8 full level
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