

Title (en)

CHANNEL MULTIPLEXING FOR A COMMUNICATION SYSTEM

Title (de)

KANALMULTIPLEXEN FÜR EIN KOMMUNIKATIONSSYSTEM

Title (fr)

MULTIPLEXAGE DES VOIES DESTINE A UN SYSTEME DE COMMUNICATION

Publication

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Application

EP 99956863 A 19991102

Priority

- US 9925777 W 19991102
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Abstract (en)

[origin: WO0028754A1] A communicator (100) having N physical channels is capable of supporting greater-than-N external wireless communications connections. The N physical channels include a plurality of reconfigurable resource units (RRUs)(102) that can each be dynamically altered to perform any of a multitude of processing tasks. The communicator (100) also includes a controller (104) that is capable of dynamically allocating the N physical channels between the greater-than-N external connections by repeatedly reconfiguring one or more of the physical channels to operate with varying signal formats. A memory (106) stores a library of configuration files for use by the controller (104) in reconfiguring the physical channels during dynamic allocation. In a preferred approach, the controller (104) reconfigures the physical channels during idle operational periods.

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