

Title (en)

APPARATUS, METHOD OF AND SYSTEM FOR IMPROVING CAPACITY IN A COMMUNICATIONS NETWORK

Title (de)

VORRICHTUNG, VERFAHREN UND SYSTEM ZUR KAPAZITÄTSVERBESSERUNG IN EINEM KOMMUNIKATIONSNETZ

Title (fr)

APPAREIL, PROCEDE ET SYSTEME AMELIORANT LA CAPACITE D'UN RESEAU DE COMMUNICATIONS

Publication

EP 1101379 A1 20010523 (EN)

Application

EP 99934842 A 19990726

Priority

- GB 9902223 W 19990726
- GB 9816207 A 19980725

Abstract (en)

[origin: WO0007399A1] In a telecommunications system (300), such as the Universal Mobile Telecommunications System (UMTS), a first duplexing technique (100) and a second duplexing technique (102) are employed. Bands of frequencies (108, 110, 118) are allocated to each duplexing technique (100, 102). However, due to asymmetry of telecommunications traffic, it is known that loading of the band of downlink frequencies (110) of the first duplexing technique (100) is likely to be high, whereas the loading of the band of uplink frequencies (108) of the first duplexing technique (100) is likely to be relatively low. Similarly, the loading associated with the second duplexing technique (102) is likely to be biased towards downlink telecommunications traffic. Consequently, the invention provides for frequency assignment means arranged to allocate at least a portion of a frequency band (400, 402) allocated to the first duplexing scheme (100) to a terminal so as to enable the terminal to operate in accordance with the second duplexing scheme (102) in the frequency band (400, 402) allocated to the first duplexing scheme (100).

IPC 1-7

H04Q 7/36

IPC 8 full level

H04B 7/26 (2006.01); **H04J 1/00** (2006.01); **H04J 13/00** (2011.01); **H04L 5/16** (2006.01); **H04Q 7/36** (2006.01); **H04Q 7/38** (2006.01); **H04W 16/06** (2009.01)

CPC (source: EP KR)

H04B 7/26 (2013.01 - KR); **H04B 7/2612** (2013.01 - EP); **H04W 16/06** (2013.01 - EP KR)

Citation (search report)

See references of WO 0007399A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

WO 0007399 A1 20000210; AU 6312099 A 20000221; AU 750468 B2 20020718; CN 1320342 A 20011031; EP 1101379 A1 20010523; GB 9816207 D0 19980923; JP 2002521988 A 20020716; KR 20010074747 A 20010809

DOCDB simple family (application)

GB 9902223 W 19990726; AU 6312099 A 19990726; CN 99811403 A 19990726; EP 99934842 A 19990726; GB 9816207 A 19980725; JP 2000563096 A 19990726; KR 20017001007 A 20010122