

Title (en)  
METHOD FOR INCREASING THE CAPACITY OF A ORTHOGONAL WAVEFORM MULTIPLE ACCESS NETWORK, AND ASSOCIATED UNITS

Title (de)  
VERFAHREN ZUR VERBESSERUNG DER KAPAZITÄT EINES CDMA-NETZWERKS UND ENTSPRECHENDE EINHEITEN

Title (fr)  
PROCEDE POUR AUGMENTER LA CAPACITE D'UN RESEAU A ACCES MULTIPLE A FORME D'ONDE ORTHOGONALE, ET UNITES ASSOCIEES

Publication  
**EP 1118164 A1 20010725 (FR)**

Application  
**EP 00949653 A 20000706**

Priority  
• FR 0001944 W 20000706  
• FR 9908840 A 19990708

Abstract (en)  
[origin: WO0105051A1] The invention concerns a method for increasing by M, M being any integer not less than 1, the number N, N being an integer not less than 2, communications set up between a central unit (15) and remote units (201-20N; 211-21M) of an orthogonal waveform multiple access network. The first N communications are multiplexed by orthogonal waveform multiple access in accordance with a first technique from the set of multiple access techniques consisting of TDMA, OCDMA, OFDMA and MC-OCDMA. The M communications additional to said N established communications are multiplexed by orthogonal waveform multiple access in accordance with a second technique from the set of multiple access techniques consisting of TDMA, OCDMA, OFDMA and MC-OCDMA, said second access technique being different from the first access technique.

IPC 1-7  
**H04B 1/707**; **H04J 13/00**; **H04B 7/26**

IPC 8 full level  
**H04J 11/00** (2006.01); **H04B 1/707** (2011.01); **H04B 7/26** (2006.01); **H04J 1/00** (2006.01); **H04J 3/00** (2006.01); **H04J 13/00** (2011.01)

CPC (source: EP)  
**H04B 1/7101** (2013.01); **H04B 7/2628** (2013.01); **H04B 7/2643** (2013.01); **H04J 13/00** (2013.01); **H04J 13/0077** (2013.01)

Citation (search report)  
See references of WO 0105051A1

Cited by  
EP2772999A1

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 0105051 A1 20010118**; AU 6294400 A 20010130; CN 1317172 A 20011010; EP 1118164 A1 20010725; JP 2003504936 A 20030204

DOCDB simple family (application)  
**FR 0001944 W 20000706**; AU 6294400 A 20000706; CN 00801350 A 20000706; EP 00949653 A 20000706; JP 2001509168 A 20000706