

Title (en)

MULTI-CHANNEL CODED ORTHOGONAL FREQUENCY DIVISION MODULATION SYSTEM

Title (de)

MEHRKANALIGES CODIERTES ORTHOGONALFREQUENZ-MULTIPLEX-MODULATIONSSYSTEM

Title (fr)

SYSTEME DE MODULATION PAR DIVISION DE FREQUENCE ORTHOGONALE A CODAGE MULTICANAL

Publication

EP 1678838 A1 20060712 (EN)

Application

EP 04768793 A 20041007

Priority

- GB 2004004259 W 20041007
- GB 0323438 A 20031007

Abstract (en)

[origin: GB2407462A] A method which allows multiple DAB transmission signals in the form of COFDM signal streams to be modulated, up-converted, filtered and combined prior to a High Power Amplifier (HPA), thus reducing the multiple up-conversion and HPA to a single unit and eliminating the need for a high power combiner. This significantly reduces the equipment needed for multi-channel transmissions and the consequent cost. In addition the techniques described provide signal timing alignment as required in Single Frequency Networks (SFN).

IPC 1-7

H04B 1/04; **H04H 1/00**; **H04H 3/00**; **H04L 27/26**

IPC 8 full level

H04H 20/67 (2008.01); **H04H 20/72** (2008.01); **H04L 5/06** (2006.01); **H04L 27/26** (2006.01)

IPC 8 main group level

H04H 3/00 (2006.01)

CPC (source: EP GB US)

H04H 20/67 (2013.01 - EP US); **H04H 20/72** (2013.01 - EP); **H04L 5/06** (2013.01 - EP); **H04L 27/2602** (2013.01 - EP GB US); **H04H 60/02** (2013.01 - EP); **H04H 2201/20** (2013.01 - EP); **H04L 27/2627** (2013.01 - GB)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

GB 0422287 D0 20041110; **GB 2407462 A 20050427**; **GB 2407462 B 20060315**; EP 1678838 A1 20060712; GB 0323438 D0 20031105; WO 2005036763 A1 20050421

DOCDB simple family (application)

GB 0422287 A 20041007; EP 04768793 A 20041007; GB 0323438 A 20031007; GB 2004004259 W 20041007