

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

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- 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

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