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(54) **Receiver for receiving digital broadcast transmissions**

(57) A digital audio broadcast receiver for receiving at least two broadcast ensembles, each ensemble being made up of a plurality of transmission frames and each transmission frame including an information channel and a time interleaved main service channel. The broadcast receiver includes means for acquiring and processing during a plurality of relatively long periods a given

broadcast ensemble to extract and reproduce selected audio or other service data from said main service channel. The means for acquiring and processing is also operable to process a further broadcast ensemble at least to detect the presence thereof during one or more relatively short intervals interspersed with said relatively long periods, thereby to obtain data relating to said further ensemble.

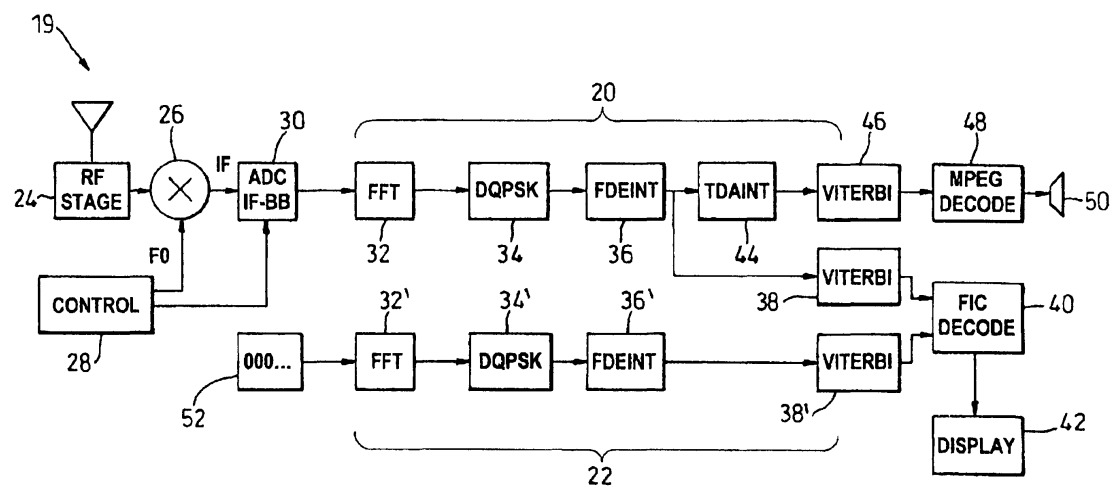


Fig. 3
MAIN ENSEMBLE DECODING

EP 1 009 114 A3



European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 99 30 9963

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X	EP 0 689 307 A (NOKIA TECHNOLOGY GMBH) 27 December 1995 (1995-12-27)	1,4-7, 12,14	H04H1/00
Y	* page 2, line 14-35 * * page 4, line 13-28 * * page 4, line 47-52; claims 1,5,6; figures 1,2 *	2,8-11	
Y	EP 0 790 722 A (SGS THOMSON MICROELECTRONICS) 20 August 1997 (1997-08-20) * column 1, line 53 - column 2, line 41; claims 1,4,8 *	8	
Y	EP 0 689 308 A (NOKIA TECHNOLOGY GMBH) 27 December 1995 (1995-12-27) * page 2, line 1-45 * * page 4, line 10-51 * * page 5, line 17-53 * * page 7, line 10-39; claims 1,4,7-13; figures 2,4,5 *	9-11	
Y	EP 0 801 476 A (GRUNDIG AG) 15 October 1997 (1997-10-15) * column 6, line 52-57; claims 1,4-6; figures 1-3 *	2	
A	"OFFICIAL EBU TECHNICAL TEXTS. \EBU STATEMENT D74-1992 EBU EXPECTATIONS FOR FIRST-GENERATION CONSUMER DAB RECEIVERS APPROVED FOR PUBLICATION DECEMBER 1992" EBU REVIEW- TECHNICAL, BE, EUROPEAN BROADCASTING UNION. BRUSSELS, no. 255, 1 January 1993 (1993-01-01), pages 57-63, XP000354456 ISSN: 0251-0936 * the whole document *	1,4,8,9, 12	TECHNICAL FIELDS SEARCHED (Int.Cl.7) H04H
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 31 May 2000	Examiner Pantelakis, P
<p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons</p> <p>& : member of the same patent family, corresponding document</p>			

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**ANNEX TO THE EUROPEAN SEARCH REPORT
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EP 99 30 9963

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For more details about this annex : see Official Journal of the European Patent Office, No. 12/82