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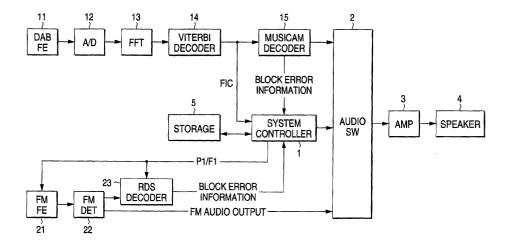
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(54) Receiver for receiving Digital Audio Broadcast programmes and FM broadcast programmes comprising Radio Data System signals

(57) A digital broadcast receiver includes an FM receiver including an RDS decoder, a DAB receiver and a controller for comparing the receive state of the FM receiver and that of the DAB receiver and controlling output regenerated by either receiver showing the more satisfactory receive state as the output of the above digital broadcast receiver, and is characterized in that the above controller is provided with first evaluation means

for evaluating the receive state of the FM receiver based upon the block error rate of RDS data, second evaluation means for evaluating the receive state of the DAB receiver based upon the frame error rate of audio frames included DAB data and comparison means for comparing the result of evaluation by the first evaluation means and the result of evaluation by the second evaluation means.

FIG. 1





EUROPEAN SEARCH REPORT

Application Number EP 99 30 1956

Category	Citation of document with indicatio of relevant passages	n, where appropriate,	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.5)		
Υ	US 5 584 051 A (GOEKEN 10 December 1996 (1996- * column 11, line 16 - claims 1,3,5,6,12,17,18	12-10) column 12, line 29;	1	H04H1/00		
Υ	EP 0 584 839 A (TELEFUN RUNDFUNK) 2 March 1994 * column 4, line 3-56;	(1994-03-02)	1			
E	EP 0 912 003 A (BOSCH G 28 April 1999 (1999-04- * column 6, line 57 - c	28)	1			
				TECHNICAL FIELDS SEARCHED (Int.Cl.6)		
	The present search report has been d	•				
Place of search THE HAGUE		Date of completion of the search 29 June 2000	,			
X:par Y:par doo	CATEGORY OF CITED DOCUMENTS ticularly relevant if taken alone ticularly relevant if combined with another ument of the same category	T : theory or principle E : earlier patent doc after the filing dat D : document cited in L : document cited fo	e underlying the cument, but public e n the application or other reasons	ished on, or		
A : technological background O : non-written disclosure P : intermediate document			& : member of the same patent family, corresponding document			

ANNEX TO THE EUROPEAN SEARCH REPORT ON EUROPEAN PATENT APPLICATION NO.

EP 99 30 1956

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

29-06-2000

	Patent document ad in search rep		Publication date		Patent family member(s)	Publicati date
US	5584051	Α	10-12-1996	DE	4136068 A	06-05-
				ΑT	163114 T	15-02-3
				ΑU	28924 9 2 A	07-06-1
				CN	1072300 A	19-05-
				DE	59209190 D	12-03-
				WO	9309615 A	13-05-
				EP	0610313 A	17-08-
				ES	2113959 T	16-05-
				JP	7500710 T	19-01-
				SG	48285 A	17-04-
				ZA	9208365 A	11-05-
EP	0584839	Α	02-03-1994	DE	3725487 A	 -09-02
				DE	3718845 A	15-12-
				AT	106638 T	15-06-
				ΑŤ	141731 T	15-09-
				DE	3751880 D	26-09-
				DE	3789959 D	07-07-
				DK	463588 A	17-10-
				WO	8804862 A	30-06-
				EP	0275527 A	27-07-
				EP	0293464 A	07-12-
				ĒS	2059564 T	16-11-
				ES	2092202 T	16-11-
				FI	883827 A,B,	18-08-
				HK	55596 A	03-04-
				JP	2793139 B	03-09-
				JP	8046536 A	16-02-
				JP	1501593 T	01-06-
				JP	2666861 B	22-10-
				KR	9615574 B	18-11-
				NO	173908 C	16-02-
				DD	267860 A	10-05-
	0912003	Α	28-04-1999	DE	19747055 A	<u>-</u> 29-04-

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