



European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 03 45 0226

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
X	US 6 243 472 B1 (BILAN FRANK ALBERT ET AL) 5 June 2001 (2001-06-05) * column 1, line 67 - column 2, line 22 * * column 3, line 1 - line 16 * * column 6, line 7 - column 7, line 56 * * column 10, line 52 - line 67; figures 5-14 *	1-4	H04R9/00 H04R9/06
A	--- US 3 499 988 A (TANMATSU KATSUO ET AL) 10 March 1970 (1970-03-10) * column 2, line 62 - column 3, line 38; figures 2-5 *	1-4	
A	--- US 6 263 084 B1 (CRESSMAN KARL W F ET AL) 17 July 2001 (2001-07-17) -----		
			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
			H04R
The present search report has been drawn up for all claims			
Place of search		Date of completion of the search	Examiner
THE HAGUE		22 April 2004	Fülöp, I
CATEGORY OF CITED DOCUMENTS			
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		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 & : member of the same patent family, corresponding document	

EPO FORM 1503 03.02 (P04C01)

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

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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
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22-04-2004

Patent document cited in search report	Publication date	Patent family member(s)	Publication date	
US 6243472	B1	05-06-2001	AU 9484498 A WO 9914980 A2	05-04-1999 25-03-1999
US 3499988	A	10-03-1970	DE 1487475 A1	16-10-1969
US 6263084	B1	17-07-2001	DE 19630701 A1 GB 2305809 A ,B JP 9135488 A	03-04-1997 16-04-1997 20-05-1997