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Plane slot antenna.

A plane slot antenna including a peripheral conducting surface (11), a central conducting surface (13) provided in the peripheral conducting surface with a space (21) in between, and a plurality of coaxial lines (20, 30). The cores (21, 31) of the coaxial lines are connected to the central conducting surface at different points thereof and outer skins

(22, 32) of the coaxial lines are connected to the peripheral conducting surface. The antenna further includes a switch (40) provided between the coaxial lines and a signal receiver so that the switch changes a connection between one of the coaxial lines and the signal receiver so that the antenna receives signal of best possible strength and phase.

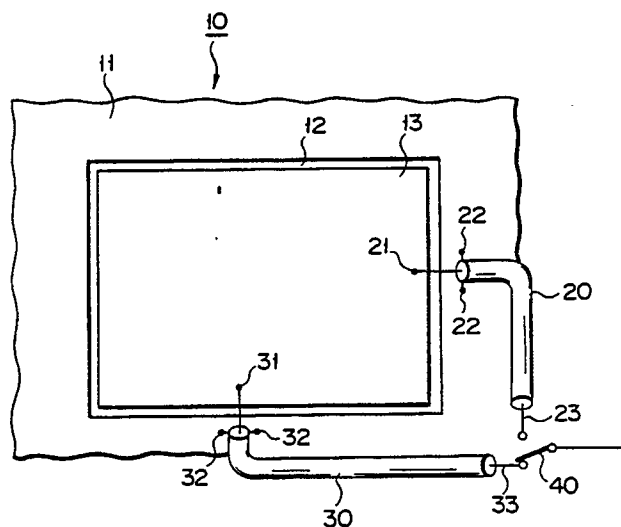


FIG. 1



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.5)
X	EP-A-0262755 (GENERAL MOTORS) * column 5, line 19 - column 6, line 8; figures 6, 7, 9 *	1	H01Q9/04 H01Q1/32
A	----	2-5	
X	EP-A-0261762 (GENERAL MOTORS) * column 5, lines 5 - 52; figures 6, 7, 9 *	1	
A	----	2-5	
A	US-A-3665480 (FASSETT) * column 1, lines 4 - 55 * * column 6, lines 4 - 25; figures 1, 4, 11 *	1-5	
A	US-A-4229744 (LUEDTKE ET AL.) * abstract; figures 3-6, 8 *	1-5	
A	RADIO AND ELECTRONIC ENGINEER. vol. 45, no. 7, July 1975, LONDON GB pages 357 - 367; Parsons et al.: "Diversity techniques for mobile radio reception" * pages 360 - 362 *	4, 5	
			TECHNICAL FIELDS SEARCHED (Int. Cl.5)
			H01Q H04B
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 07 SEPTEMBER 1990	Examiner ANGRABEIT F. F. K.
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	