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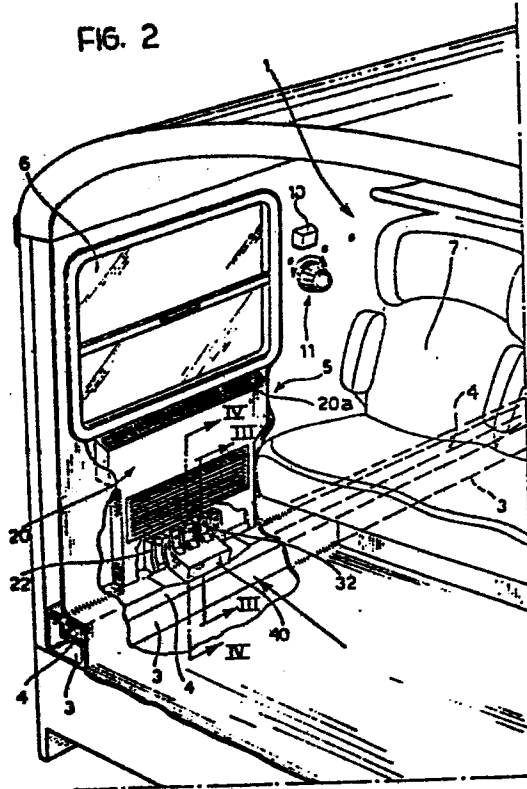
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54 **Air diffuser for air-conditioning system for the compartments of railway carriage.**

57 In an air-conditioning system for the compartments (1) of a railway carriage, an air-treatment unit (2) housed in a casing suspended beneath the carriage, supplies a flow of hot or cold air and a flow of hot air respectively, to at least one primary pipe (3) and at least one secondary pipe (4) extending along a wall of the carriage through the passenger compartments (1). An air diffuser (5) is connected to the primary and secondary pipes (3, 4) in each compartment (1). This diffuser (5) defines a mixing chamber (21) which is in permanent communication with the primary pipe (3) and can communicate with the secondary pipe (4) in a manner controlled by electrically-operated switch means (13, 41). The mixing chamber (21) communicates with the interior of the compartment (1) through an air inlet aperture (8) and an outlet aperture (9).

FIG. 2





European Patent
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EUROPEAN SEARCH REPORT

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Application number

EP 87 83 0112

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.4)
Y	GB-A-1 181 270 (FRIEDMANN) * Page 3, lines 93-115; figures 1,2 *	1	B 61 D 27/00 B 60 H 1/00
Y	DE-A-1 954 300 (HAGENUK) * Figure 1 *	1	
A	FR-A-2 307 687 (BBC) * Claims 1,2; figures 1,2 *	2,3	
A	CH-A- 429 813 (BBC)		
A	FR-A-2 175 453 (FRIEDMANN)		
A	FR-A-2 461 606 (AIR INDUSTRIE ET SOCIETE NATIONALE DES CHEMINS DE FER FRANCAIS)		
A	US-A-3 763 761 (ANDERSON)		
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (Int. Cl.4)
			B 61 D B 60 H F 24 F
Place of search		Date of completion of the search	Examiner
THE HAGUE		05-10-1987	FERRANTI
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X : particularly relevant if taken alone		T : theory or principle underlying the invention	
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