

Title (en)

Air conditioning plant for a carriage.

Title (de)

Klimaanlage für einen Reisezugwagen.

Title (fr)

Installation de climatisation pour voiture de chemin de fer.

Publication

EP 0397557 A1 19901114 (FR)

Application

EP 90401219 A 19900509

Priority

FR 8906109 A 19890510

Abstract (en)

Compression-type air-conditioning system for a railway carriage, intended particularly for a high-speed train, of the type comprising: - a refrigerant compressor (1), - a condenser (2) having tubes (4), in which the compressed fluid is cooled by the circulation of air around the tubes (4) and is liquified, - a pressure reducer followed by an evaporator, supplying a low-temperature refrigerating gas. <??>The tubes (4) of the condenser (2) form an oblique layer contained between the floor of the carriage and the frame of the system, thus making it possible, on the one hand, to increase the number of tubes and therefore the refrigerating capacity of the system and, on the other hand, to free space in the vertical direction so as to arrange shock-absorber systems (16) at the fastening points (21) of the condenser (2). <??>The invention is used for improving the comfort of passengers in terms of air-conditioning and for reducing vibrational phenomena as well as reducing operating costs. <IMAGE>

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IPC 8 full level

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Citation (search report)

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EP0517081A1; EP0794098A1; DE29915543U1

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