

Title (en)
METHOD AND DEVICE FOR CONTROLLING ENERGY SOURCES FOR SUPPLYING MAIN AND AUXILIARY AIR, IN PARTICULAR OF A RAIL VEHICLE

Title (de)
VERFAHREN UND EINRICHTUNG ZUR ANSTEUERUNG VON ENERGIEQUELLEN FÜR DIE HAUPT- UND HILFSLUFTVERSORGUNG, INSBESONDERE EINES SCHIENENFAHRZEUGES

Title (fr)
PROCÉDÉ ET DISPOSITIF DE COMMANDE DE SOURCES D'ÉNERGIE POUR L'ALIMENTATION EN AIR PRINCIPAL ET AUXILIAIRE, EN PARTICULIER POUR UN VÉHICULE FERROVIAIRE

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Application
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Abstract (en)
[origin: WO2017042141A1] The invention relates to a device and a method for controlling the different energy sources for supplying a vehicle with main and auxiliary air, for which compressed air is produced for pressurising a main air tank (2) and an auxiliary air tank (9) using at least one compressor (1) driven via a respective associated electric motor (4), wherein the main air is supplied via an external primary energy source (I) and the auxiliary air is supplied at least partially via an internal secondary energy source (II) which is weaker in contrast, wherein there is a shift between the two different energy sources (I, II) depending on the operating status of the vehicle, wherein the auxiliary air supply is switched off by decoupling the electric motor (4) from the secondary energy source (II) if the pressure in the auxiliary air tank (9) has reached a minimum pressure value that is sufficient for upgrading the vehicle by means of the auxiliary air, and/or if the primary energy source (I) is connected after the auxiliary air-powered upgrading of the vehicle.

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Citation (search report)
See references of WO 2017042141A1

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