

Title (en)
ELECTRIC GENERATOR FOR MOTOR VEHICLE

Title (de)
STROMGENERATOR FÜR KRAFTFAHRZEUG

Title (fr)
GENERATEUR D'ELECTRICITE POUR VEHICULE AUTOMOBILE

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Application
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Abstract (en)
[origin: WO2006040490A1] The invention concerns an electric generator for a motor vehicle, comprising: a reformer (60) for producing a reformat from a primary fuel, water and air; circuits supplying the reformer with primary fuel (64), air (36, 40, 38, 62) and water (82, 86, 90, 66), a fuel cell (20) for production electric power from the reformat and air, a compressor (36, 38) for compressing the air for the fuel cell (20) and/or the reformer (60), circuits for supplying the fuel cell with reformat (80, 82, 84, 86, 88, 90, 92, 94, 22) and air (24), connecting the fuel cell to the reformer and the compressor (36, 38), respectively. The inventive generator is characterized in that the circuits (82, 86, 90, 66) supplying water to the reformer comprises a first heat exchanger (130; 40; 50) for establishing heat exchange relationship between said water and the air compressed by said compressor (35; 38).

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