

Title (en)
THERMOELECTRIC DEVICE, ESPECIALLY INTENDED TO GENERATE AN ELECTRIC CURRENT IN AN AUTOMOTIVE VEHICLE, AND
PROCESS FOR MANUFACTURING SAID DEVICE

Title (de)
THERMOELEKTRISCHE VORRICHTUNG, IM BESONDEREN ZUR ERZEUGUNG VON STROM BEI EINEM KRAFTFAHRZEUG UND
VERFAHREN ZUR HERSTELLUNG EINER SOLCHEN VORRICHTUNG

Title (fr)
DISPOSITIF THERMO ELECTRIQUE, NOTAMMENT DESTINE A GENERER UN COURANT ELECTRIQUE DANS UN VEHICULE AUTOMOBILE,
ET PROCEDE DE FABRICATION DUDIT DISPOSITIF

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Application
EP 12794276 A 20121122

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Abstract (en)
[origin: WO2013076215A1] The invention relates to a thermoelectric device comprising: a plurality of elements (4), called thermoelectric elements, allowing an electrical current to be produced from a temperature gradient between two of their faces (3a, 3b), called contact faces; electrically conductive tracks (20); and a solder joint between said contact faces (3a, 3b) and the electrically conductive tracks. According to the invention, said solder comprises an alloy based on aluminium and silicon. The invention also relates to a process for manufacturing such a device, using solid-state soldering.

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Citation (examination)
US 2004031515 A1 20040219 - SADATOMI NOBUHIRO [JP], et al

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