

Title (en)

THERMOGENERATOR AND PROCESS FOR PRODUCING A THERMOGENERATOR

Title (de)

WÄRMEGENERATOR UND VERFAHREN ZUR HERSTELLUNG EINES WÄRMEGENERATORS

Title (fr)

THERMO-GENERATEUR ET PROCEDE DE REALISATION DE THERMO-GENERATEUR

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Application

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Abstract (en)

[origin: WO2012076809A1] The invention relates to a process for producing a thermogenerator (10) comprising a plurality of thermocouples formed of p-type thermoelements (12) and n-type thermoelements (14). A wafer (18), provided with a plurality of holes (20a, 20b) is covered in thermoelectric material powder (22, 24). Pressure (P) is applied to the powder (22, 24) so that it penetrates into the holes (20a, 20b) while heating so as to form a plurality of p-type and n-type thermoelements (12, 14) contained in the wafer (18). The wafer (18) is thinned, the thinned wafer thus forming a matrix (16) in which the thermoelements (12, 14) are contained. While preserving the matrix (16) the p-type thermoelements are connected so as to form thermocouples and the n-type thermoelements are connected so as to form thermocouples, thereby obtaining a thermogenerator (10).

IPC 8 full level

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