

Title (en)

SYSTEMS FOR FORMING AGGREGATE MATERIALS FROM HEAT FUSABLE POWDERED MATERIALS

Title (de)

SYSTEME ZUR HERSTELLUNG VON AGGREGATMATERIALIEN AUS WÄRMESCHMELZBAREN PULVERFÖRMIGEN MATERIALIEN

Title (fr)

SYSTÈMES POUR FORMER DES MATÉRIAUX D'AGRÉGAT À PARTIR DE MATÉRIAUX EN POUDRE POUVANT FONDRE À LA CHALEUR

Publication

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Application

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Abstract (en)

[origin: WO2013049132A1] In one embodiment, a system (10) for forming aggregate materials may include a lower open-topped mold (20), an upper mold (30), an actuation assembly (12), a heating system, a pressure sensor (34), and a controller (26). The lower open-topped mold (20) can receive a heat moldable material that can include a foaming agent. The lower open-topped mold (30) can contact the heat moldable material and the upper mold (30) can contact the heat moldable material. The controller (26) can execute machine readable control logic to cause the actuation assembly (12) to generate relative outward motion at an expansion rate. The foaming agent can expand the heat moldable material when heated. During outward motion, the lower open-topped mold (20) can maintain close contact with the heat moldable material, and the upper mold (30) can maintain close contact with the heat moldable material. The expansion rate of the relative outward motion can be based upon a pressure signal indicative of back pressure.

IPC 8 full level

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