

Title (en)
SINTERING ADDITIVELY MANUFACTURED PARTS IN MICROWAVE OVEN

Title (de)
SINTERN VON GENERATIV GEFERTIGTEN TEILEN IN EINEM MIKROWELLENOFEN

Title (fr)
FRITTAGE DANS UN FOUR À MICRO-ONDES DE PIÈCES OBTENUES PAR FABRICATION ADDITIVE

Publication
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Application
EP 18790336 A 20180424

Priority

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- US 201762505081 P 20170511
- US 201762519138 P 20170613
- US 201762545966 P 20170815
- US 201762575219 P 20171020
- US 2018029129 W 20180424

Abstract (en)
[origin: WO2018200515A1] A method comprising supplying a first brown part and a second brown part, each of the first and second brown parts formed from a material in which more than 50 percent of powder particles of a second powdered metal have a diameter less than 10 microns, in a first mode, loading the first brown part into a fused tube, and ramping a temperature inside the fused tube at greater than 10 degrees C per minute but less than 40 degrees C per minute to a first sintering temperature from 500-700 degrees C, and in a second mode, loading the second brown part into the fused tube, and ramping the temperature inside the fused tube at greater than 10 degrees C per minute but less than 40 degrees C per minute to a second sintering tempering temperature from 1000-1200 degrees C.

IPC 8 full level
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Citation (search report)

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