

Title (en)

METHOD OF SINTERING ELECTRICALLY CONDUCTING POWDERS

Title (de)

VERFAHREN ZUM SINTERN VON ELEKTRISCH LEITFÄHIGEN PULVERN

Title (fr)

PROCÉDÉ DE FRITTAGE DE POUDRES ÉLECTRIQUEMENT CONDUCTRICES

Publication

EP 3208015 B1 20190501 (EN)

Application

EP 16382069 A 20160219

Priority

EP 16382069 A 20160219

Abstract (en)

[origin: EP3208015A1] The method comprises placing the powders in an electrically isolating mold, applying a pressure to the powders between 100 and 500MPa and applying to the powders a sintering current at a sintering voltage during a sintering time, for sintering the powders. Before applying the sintering current density, applying an activation current density lower than the sintering current density at an activation voltage greater than the sintering voltage during an activation time lower than the sintering time, to reduce the electrical resistance of the powders.

IPC 8 full level

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CPC (source: CN EP US)

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Cited by

EP3702065A1; CN111748717A

Designated contracting state (EPC)

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