

Title (en)

STARTING MATERIAL FOR A SINTERED BOND AND METHOD FOR PRODUCING THE SINTERED BOND

Title (de)

AUSGANGSWERKSTOFF EINER SINTERVERBINDUNG UND VERFAHREN ZUR HERSTELLUNG DER SINTERVERBINDUNG

Title (fr)

MATÉRIAU DE BASE D'UNE LIAISON FRITTÉE ET PROCÉDÉ DE RÉALISATION D'UNE LIAISON FRITTÉE

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Application

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Abstract (en)

[origin: WO2013045360A1] The invention relates to a sintered bond, a starting material for the same and a method for the production thereof, but also to an electronic circuit containing the sintered bond, wherein the starting material comprises sinterable particles (102) of at least one metal or at least one metal compound and at least one flux (103). According to the invention, the flux (103) is a reducing agent and at the same time the solvent of the starting material (100).

IPC 8 full level

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Citation (search report)

See references of WO 2013045360A1

Citation (examination)

- WO 2010020400 A2 20100225 - HERAEUS GMBH W C [DE], et al
- WO 2005079353 A2 20050901 - VIRGINIA TECH INTELL PROP [US], et al
- DE 102009040078 A1 20110310 - HERAEUS GMBH W C [DE]

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