

Title (en)  
SINGLE CRYSTAL WELDING OF DIRECTIONALLY SOLIDIFIED MATERIALS

Title (de)  
EINKRISTALLINES SCHWEISSEN VON DIREKTIONAL VERFESTIGTEN WERKSTOFFEN

Title (fr)  
SOUDAGE MONOCRISTALLIN DE MATÉRIAUX À SOLIDIFICATION DIRECTIONNELLE

Publication  
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Application  
**EP 10776651 A 20101103**

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Abstract (en)  
[origin: WO2011054864A1] The invention relates to the targeted selection of process parameters for laser welding, feeding, laser power beam diameter, and powder mass flow, wherein the temperature gradient substantially decisive for single crystal growth during laser application welding can be set deliberately.

IPC 8 full level  
**B23K 26/34** (2006.01); **C30B 11/00** (2006.01); **F01D 5/00** (2006.01); **F01D 5/28** (2006.01)

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