

Title (en)
ALLOY TOUGHENING METHOD.

Title (de)
LEGIERUNGSVERSTÄRKUNGSVERFAHREN.

Title (fr)
PROCEDE DE RENFORCEMENT D'ALLIAGES.

Publication
EP 0222002 A4 19880928 (EN)

Application
EP 86903818 A 19860515

Priority
• US 73556785 A 19850517
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Abstract (en)
[origin: WO8606748A1] A method of treating a metallurgical object containing metastable featureless regions adversely affecting toughness, comprising heating the object for transforming the regions at least sufficiently out of their metastable state to improve toughness. A method of treating metal particles containing metastable featureless regions which adversely affect toughness when the particles are bonded together to form a metallurgical object, comprising heating the particles for transforming the regions at least sufficiently out of their metastable state to improve toughness in metallurgical objects formed by bonding the particles together.

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C21D 1/34; **C22C 21/00**

IPC 8 full level
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B22F 1/142 (2022.01 - EP US); **B22F 3/24** (2013.01 - EP); **C21D 1/00** (2013.01 - EP US); **C22C 1/0416** (2013.01 - EP)

Citation (search report)
• [Y] GB 2088409 A 19820609 - UNITED TECHNOLOGIES CORP
• [AD] US 4379719 A 19830412 - HILDEMAN GREGORY J, et al
• [A] EP 0136508 A2 19850410 - ALLIED CORP [US]
• [YD] PROCEEDINGS OF THE 43RD ANNUAL MEETING ON THE ELECTRON MICROSCOPY SOCIETY OF AMERICA, 1985, pages 32,33, G.W. BAILEY Ed., San Francisco Press, Inc., San Francisco, CA, US; M.G. CHU et al.: "Microstructural evolution during solidification of Al-Fe-Ce powders"
• [AD] MATERIALS RESEARCH SOCIETY SYMPOSIUM PROCEEDINGS, vol. 28, 1984, pages 21-27, Elsevier Science Publishing Co., Inc., Amsterdam, NL; V. LAXMANAN: "Some fundamental considerations during rapid solidification processing"
• See references of WO 8606748A1

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Designated contracting state (EPC)
FR GB

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