

Title (en)

FINE CRYSTALLITE HIGH-PERFORMANCE METAL ALLOY MEMBER AND METHOD FOR MANUFACTURING SAME

Title (de)

FEINKRISTALLINES HOCHLEISTUNGS-METALLLEGIERUNGSELEMENT UND VERFAHREN ZU SEINER HERSTELLUNG

Title (fr)

COMPOSANT D'ALLIAGE DE MÉTAL HAUTE PERFORMANCE EN CRISTALLITE FINE ET PROCÉDÉ POUR FABRIQUER CELUI-CI

Publication

EP 2719780 A4 20141231 (EN)

Application

EP 12796739 A 20120410

Priority

- JP 2011138909 A 20110606
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Abstract (en)

[origin: EP2719780A1] Provided by the present invention are a fine crystallite high-function metal alloy member, a method for manufacturing the same, and a business development method thereof, in which a crystallite of a metal alloy including a high-purity metal alloy whose crystal lattice is a face-centered cubic lattice, a body-centered cubic lattice, or a close-packed hexagonal lattice is made fine with the size in the level of nanometers (10⁻⁹ m to 10⁻⁶ m) and micrometers (10⁻⁶ m to 10⁻³ m), and the form thereof is adjusted, thereby remedying drawbacks thereof and enhancing various characteristics without losing superior characteristics owned by the alloy.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

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Designated contracting state (EPC)

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