Title (en)

Method for making die cast nickel-based superalloy articles

Title (de)

Verfahren zur Herstellung von druckgegossene Superlegierungteile auf Nickelbasis

Title (fr)

Procédé pour la production des objets à base de superalliage à base de nickel moulés sous pression

Publication

EP 1013781 A2 20000628 (EN)

Application

EP 99310535 A 19991223

Priority

- US 11375598 P 19981223
- US 11356998 P 19981223

Abstract (en)

A die cast article composed of nickel base superalloy IN 718 is disclosed. The microstructure is characterized by an absence of flowlines and includes a fine average grain size, e.g., ASTM 3 or smaller. A method of heat treating the articles is also disclosed. Exemplary articles include gas turbine engine components, such as blades, vanes, cases and seals. <IMAGE>

IPC 1-7

C22C 19/05; B22D 17/00

IPC 8 full level

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IPC 8 main group level

C23C (2006.01)

CPC (source: EP KR US)

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GB2381487A; FR2833332A1; EP1658913A1; EP2450126A3; US7681623B2; US9322089B2; WO2006053838A3

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