



(11) **EP 1 930 095 A3**

(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:
18.06.2008 Bulletin 2008/25

(51) Int Cl.:
B22C 1/18 (2006.01)

(43) Date of publication A2:
11.06.2008 Bulletin 2008/24

(21) Application number: **07121580.0**

(22) Date of filing: **27.11.2007**

(84) Designated Contracting States:
**AT BE BG CH CY CZ DE DK EE ES FI FR GB GR
HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE
SI SK TR**
Designated Extension States:
AL BA HR MK RS

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(30) Priority: **06.12.2006 US 567409**

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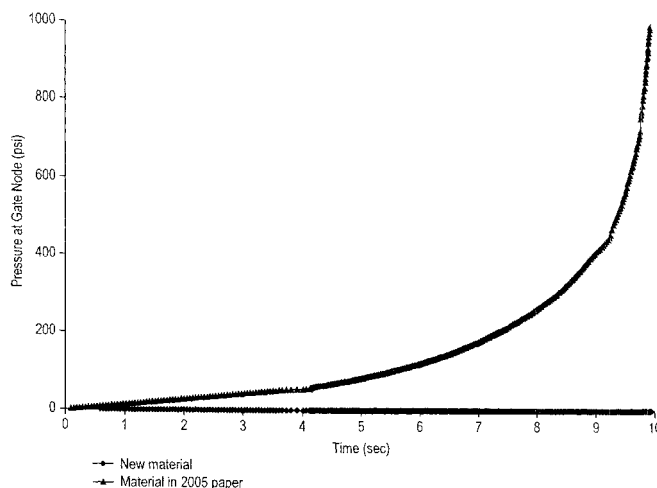
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(54) **Casting compositions for manufacturing metal casting and methods of manufacturing thereof**

(57) Disclosed herein is a method comprising disposing a casting composition within a sacrificial die; wherein internal features of the sacrificial die provide a replica of a desired casting; wherein the casting composition has a viscosity of about 1 to about 1,000 Pascal-seconds at room temperature when tested at a shear rate of up to 70 seconds⁻¹; reacting the casting composition to form a gel matrix; removing the sacrificial die; extracting a sol-

vent from the gel matrix to form a dried gel; and firing the dried gel to form a ceramic core. Disclosed herein too is a casting composition comprising a monomer and/or a polymer; and a metal and/or ceramic powder; wherein the casting composition has a viscosity of about 1 to about 1,000 Pascal-seconds at room temperature when tested at a shear rate of up to 70 seconds and a flow index of less than 0.6.

FIG. 2



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Place of search Munich		Date of completion of the search 29 April 2008	Examiner Lombois, Thierry
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