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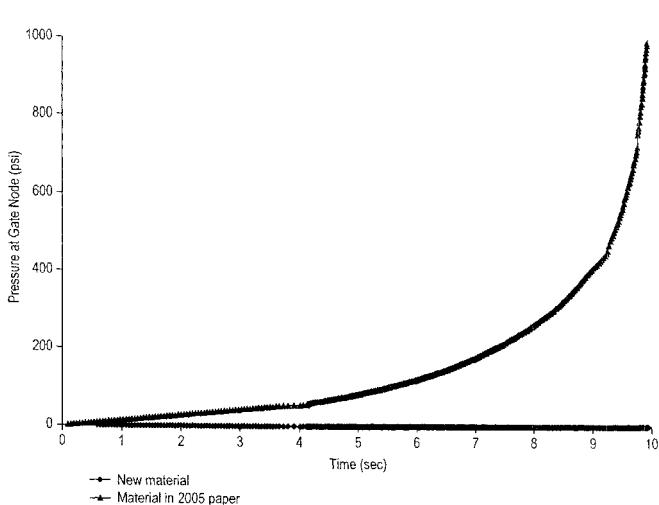
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(54) **Casting compositions for manufacturing metal casting and methods of manufacturing thereof**

(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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2	Place of search Munich	Date of completion of the search 29 April 2008	Examiner Lombois, Thierry
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EPO FORM 1503 03/82 (P04C01)			



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**ANNEX TO THE EUROPEAN SEARCH REPORT
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