



(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:
30.11.2005 Bulletin 2005/48

(51) Int Cl.7: **B22D 1/00, C22C 1/00**

(43) Date of publication A2:
11.08.2004 Bulletin 2004/33

(21) Application number: **03252949.7**

(22) Date of filing: **12.05.2003**

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

(30) Priority: **25.09.2002 KR 2002058163**
16.10.2002 KR 2002063162
17.01.2003 KR 2003003250
04.03.2003 KR 2003013517

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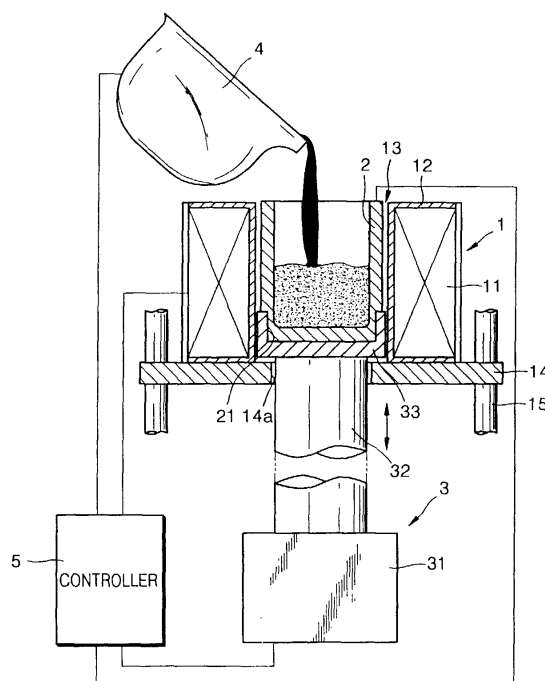
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(54) **Method and apparatus for manufacturing semi-solid metallic slurry**

(57) Provided are a method and apparatus for manufacturing a high-quality semi-solid metallic slurry containing fine, uniform spherical particles that can be readily and conveniently applied to a subsequent process, with improvements in energy efficiency and mechanical properties, cost reduction, convenience of casting, and shorter manufacturing time. The semi-solid metallic slurry manufacturing method involves applying an electromagnetic field to a space containing a slurry vessel, loading a molten metal into the slurry vessel in a state where the electromagnetic field is applied to the space, and drawing the slurry vessel out from the space. The semi-solid metallic slurry manufacturing apparatus includes at least one slurry vessel (2), at least one stirring unit (1) which includes a space (13) for the at least one slurry vessel and applies an electromagnetic field to the space, a driving unit (3) which moves the slurry vessel at least up and down to place the slurry vessel in the space, and a loading unit (4) via which a molten metal in liquid state is loaded into the slurry vessel.

FIG. 2





European Patent
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EUROPEAN SEARCH REPORT

Application Number
EP 03 25 2949

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			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
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The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 11 October 2005	Examiner Mailliard, A
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

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EPO FORM 1503 03.02 (P04C01)

**ANNEX TO THE EUROPEAN SEARCH REPORT
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