

(19)



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(11)

Publication number:

0 076 541**A3**

(12)

EUROPEAN PATENT APPLICATION(21) Application number: **82201205.0**(51) Int. Cl.³: **B 22 D 27/06**
C 22 C 37/00(22) Date of filing: **28.09.82**(30) Priority: **05.10.81 NL 8104509**(43) Date of publication of application:
13.04.83 Bulletin 83/15(88) Date of deferred publication of search report: **18.07.84**(84) Designated Contracting States:
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NL-1970 CA IJmuiden(NL)(72) Inventor: **Vermade, Cornelis, Dr. Ir.**
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NL-2082 HV Santpoort Zuid(NL)(74) Representative: **Zuidema, Bert, Ir. et al,**
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NL-1970 CA IJmuiden(NL)(54) **Cast-iron ingot mould for use in the production of steel ingots and method of manufacturing the mould.**

(57) Cast-iron ingot moulds for use in the production of steel ingots suffer from the risk of broken feet, which reduces their average useful life. This is counteracted by increasing the P-content of the cast-iron and in particular by casting the ingot mould from a cast iron having the composition (by weight):

C	3.8	—	4.7 %
Si	0.55	—	1.15 %
Mn	0.74	—	1.3 %
S	0.01	—	0.035%
P	0.14	—	0.195%

rest Fe and usual impurities
wherein the Si-content is smaller than the Mn-content.

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EUROPEAN SEARCH REPORT

0076541

Application number

EP 82 20 1205

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl. 3)
A	DE-A-1 758 706 (HUTTENWERK OBERHAUSEN) *Page 3, lines 3-8; claim 1*	1, 2, 3	B 22 D 7/06 C 22 C 37/00
A	--- US-A-1 806 753 (GATHMANN) *Page 1, lines 70-73*	1	
A	--- BLAST FURNACE AND STEEL PLANT, January 1954, pages 70-72; J.H.SHANK: "Design and manufacture of ingot molds". *Example, page 72*	1	
A	--- DE-B-1 134 691 (HESSISCHE BERG-UND HÜTTENWERKE) -----		
			TECHNICAL FIELDS SEARCHED (Int. Cl. 3)
			B 22 D 7/06 C 22 C 37/00
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 26-03-1984	Examiner SCHIMBERG J.F.M.
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			