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- (71) Applicant: Corus Staal BV 1970 CA Ijmuiden (NL)

- (72) Inventors:
 - Tiekink, Wouter Karel
 1944 NG Beverwijk (NL)
 - Kooter, Rob
 1964 BC Heemskerk (NL)
- (74) Representative: Kruit, Jan et al Corus Technology BV PO Box 10000 1970 CA IJmuiden (NL)

(54) A cored-wire for injecting into a steel melt and process of treating a steel melt using said wire

A wire for injecting into a steel melt in an injection direction, the wire comprising a metallic tubular shell enclosing a core, the core comprising calcium or a calcium containing compound, wherein the core also comprises a distribution enhancing compound for distributing the calcium or calcium containing compound in the steel melt in a direction substantially perpendicular to the injection direction wherein the distribution enhancing compound comprises a compound having a vapour pressure which is higher than the vapour pressure of calcium at liquid steel temperatures for obtaining a more homogeneous distribution of the calcium or calcium containing compound in the steel melt. The invention also relates to a process of treating a steel melt using said wire, the use of said wire and the resulting continuously cast steel product.

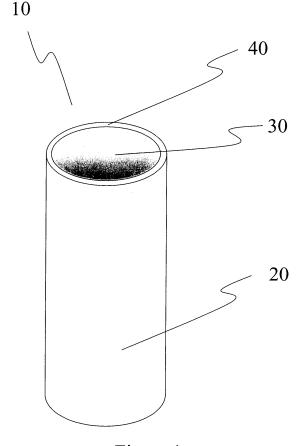


Figure 1

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EUROPEAN SEARCH REPORT

Application Number EP 06 00 8183

	DOCUMENTS CONSID	ERED TO BE RELEVANT		
Category	Citation of document with ir of relevant passa	dication, where appropriate, ages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X Y	DE 24 21 743 A1 (OT 20 November 1975 (1 * page 1, paragraph * page 2, last para * page 3, last para paragraph 2 *	1 - paragraph 2 * graph *	1-4,6-10	INV. C21C7/00
	* claims 1-3,6,7; e	xample 2 *		
Х	US 4 094 666 A (0T0 13 June 1978 (1978- * column 2, line 60 * examples 7,9 *		1-3,5-9	
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Y * column 2, line 4 * column 3, line 47 * column 5, line 10 * claims *	- line 61 *	11		
				TECHNICAL FIELDS SEARCHED (IPC)
				C21C
	The present search report has I	peen drawn up for all claims		
	Place of search	Date of completion of the search		Examiner
X : parti Y : parti docu A : tech	The Hague ATEGORY OF CITED DOCUMENTS icularly relevant if taken alone icularly relevant if combined with another including the same category nological background written disclosure	L : document cited f	e underlying the ir cument, but publis te n the application or other reasons	hed on, or

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ANNEX TO THE EUROPEAN SEARCH REPORT ON EUROPEAN PATENT APPLICATION NO.

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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

09-07-2007

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