



EP 1 548 156 A3

(12)

EUROPEAN PATENT APPLICATION

(88) Date of publication A3:
13.01.2010 Bulletin 2010/02

(51) Int Cl.:
C23G 1/22 (2006.01)
F01D 25/00 (2006.01)

C23C 10/60 (2006.01)

(43) Date of publication A2:
29.06.2005 Bulletin 2005/26

(21) Application number: 04257665.2

(22) Date of filing: 09.12.2004

(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 MC NL PL PT RO SE SI SK TR**
Designated Extension States:
AL BA HR LV MK YU

(30) Priority: 16.12.2003 US 707465

(71) Applicant: **GENERAL ELECTRIC COMPANY**
Schenectady, NY 12345 (US)

(72) Inventors:
• **Rosenzweig, Mark Alan**
Liberty Township
Ohio 45011 (US)

• **Pfaendtner, Jeffrey Allan**
Blue Ash
Ohio 45242 (US)

(74) Representative: **Goode, Ian Roy et al**
London Patent Operation
General Electric International, Inc.
15 John Adam Street
London
WC2N 6LU (GB)

(54) Process for removing adherent oxide particles from an aluminized surface

(57) A process for removing particles that become adherently sintered to an aluminized surface during an aluminizing process. The method is particularly suited for the removal of adherent particles that form as a result of oxidation of a metallic powder used as an aluminum source during slurry aluminizing processes, wherein the

adherent particles become attached by sintering to the aluminized surface. The process includes contacting the aluminized surface with an aqueous caustic hydroxide solution until the particles are removed therefrom.



EUROPEAN SEARCH REPORT

Application Number
EP 04 25 7665

DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (IPC)
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	
A	US 5 366 765 A (MILANIAK MICHAEL S [US] ET AL) 22 November 1994 (1994-11-22) * column 5, line 15 - column 6, line 22 * -----	1-10	INV. C23G1/22 C23C10/60 F01D25/00
A	EP 1 076 107 A1 (ABB ALSTOM POWER CH AG [CH] ALSTOM SWITZERLAND LTD [CH]) 14 February 2001 (2001-02-14) * paragraphs [0028] - [0030]; claims * -----	1-10	
A	EP 1 010 776 A1 (GEN ELECTRIC [US]) 21 June 2000 (2000-06-21) * claims * -----	1-10	
A	US 6 544 346 B1 (GROSSKLAUS JR WARREN D [US] ET AL) 8 April 2003 (2003-04-08) * claims * -----	1-10	
			TECHNICAL FIELDS SEARCHED (IPC)
			C23G C23C F01D
The present search report has been drawn up for all claims			
1	Place of search	Date of completion of the search	Examiner
	Munich	4 December 2009	Mauger, Jeremy
CATEGORY OF CITED DOCUMENTS		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	
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			

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

EP 04 25 7665

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.

04-12-2009

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
US 5366765	A	22-11-1994	WO	9426948 A1		24-11-1994
EP 1076107	A1	14-02-2001	DE	69911948 D1		13-11-2003
			DE	69911948 T2		04-11-2004
			US	6265022 B1		24-07-2001
EP 1010776	A1	21-06-2000	CZ	9904541 A3		12-07-2000
			DE	69924590 D1		12-05-2005
			DE	69924590 T2		09-02-2006
			JP	2000248391 A		12-09-2000
			KR	20000048100 A		25-07-2000
			TW	548345 B		21-08-2003
			US	6146692 A		14-11-2000
US 6544346	B1	08-04-2003	NONE			