

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
5 June 2003 (05.06.2003)

PCT

(10) International Publication Number
WO 03/045208 A1

- (51) International Patent Classification⁷: **A47J 36/02**, H05B 6/12, C22C 19/03, H01F 1/147
- (74) Agent: **LAGRANGE, Jacques**; Usinor Dir-Pi, Immeuble "La Pacific", TSA 10001, F-92070 La Defense Cedex (FR).
- (21) International Application Number: PCT/EP01/13990
- (22) International Filing Date:
30 November 2001 (30.11.2001)
- (25) Filing Language: English
- (26) Publication Language: English
- (81) Designated States (*national*): AE, AG, AL, AM, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CN, CO, CR, CU, CZ, DM, DZ, EC, EE, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, RO, RU, SD, SG, SI, SK, SL, TJ, TM, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.
- (84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- (71) Applicants (*for all designated States except US*): **IMPHY UGINE PRECISION** [FR/FR]; Immeuble "La Pacific", La Défense 7, 11-13, cours Valmy, F-92800 Puteaux (FR). **ALINOX AG** [CH/CH]; Hörnlistrasse 18, CH-8360 Eschlikon (CH).
- (72) Inventors; and
- (75) Inventors/Applicants (*for US only*): **FRAISSE, Hervé** [FR/FR]; 11, rue Henri Barbusse, F-58000 Nevers (FR). **GROSBETY, Yves** [FR/FR]; Résidence les Sainfoins - Appt B1, 2, allée de l'Ecluse, F-93160 Noisy le Grand (FR). **WAECKERLE, Thierry** [FR/FR]; 123, rue Parigny, F-58000 Nevers (FR). **SPRING, Markus** [CH/CH]; Ziegeleistrasse 9, CH-8360 Eschlikon (CH). **HOFFS-TAEDTER, Norbert** [DE/DE]; Hindenburgstrasse 50, 40667 Meerbusch (DE).
- Published:**
— with international search report
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

(54) Title: COOKING VESSEL COMPRISING A BASE MADE OF A MULTILAYER MATERIAL AND A SIDE WALL, AND ARTICLE OF MULTILAYER MATERIAL

(57) Abstract: The invention relates to a cooking vessel comprising a base made of a multilayer material and a side wall, the said multilayer material comprising, in succession from the outside of the vessel to the inside of the vessel: an outer part, having a thickness e_E , consisting of a layer of a ferromagnetic Nickel based alloy having a Curie temperature of between 30 and 350°C and a thermal expansion coefficient of greater than or equal to $6.5 \cdot 10^{-6} \text{ K}^{-1}$, and a core, having a thickness e_c , comprising at least one layer selected among aluminium, aluminium alloy and copper.



WO 03/045208 A1