

PCTWORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau9610908-7
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INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁶ : C22C 21/02, 21/08, 21/12, 21/14, 21/16, C22F 1/04		A1	(11) International Publication Number: WO 96/08586
			(43) International Publication Date: 21 March 1996 (21.03.96)
(21) International Application Number: PCT/US95/11738		Massena Operations, Park Avenue East, Massena, NY 13662 (US).	
(22) International Filing Date: 15 September 1995 (15.09.95)		(74) Agents: HANDELMAN, Joseph, H.; Ladas & Parry, 26 West 61st Street, New York, NY 10023 (US) et al.	
(30) Priority Data: 307,194 16 September 1994 (16.09.94) US		(81) Designated States: AM, AT, AU, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TT, UA, UG, US, UZ, VN, European patent (AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG), ARIPO patent (KE, MW, SD, SZ, UG).	
(60) Parent Application or Grant (63) Related by Continuation US 307,194 (CON) Filed on 16 September 1994 (16.09.94)		Published With international search report.	
(71) Applicant (for all designated States except US): ALUMINUM COMPANY OF AMERICA [US/US]; Alcoa Technical Drive, 100 Technical Drive, Alcoa Center, PA 15069-0001 (US).			
(72) Inventors; and (75) Inventors/Applicants (for US only): BARTGES, Charles, W. [US/US]; Alcoa Technical Center, 100 Technical Drive, Alcoa Center, PA 15069-0001 (US). KLEMP, Thomas, J. [US/US]; Alcoa Massena Operations, Park Avenue East, Massena, NY 13662 (US). SCOTT, Gerald, D. [US/US]; Alcoa Massena Operations, Park Avenue East, Massena, NY 13662 (US). ALLYN, Matthew, D. [US/US]; Alcoa			
(54) Title: LEAD-FREE 6XXX ALUMINUM ALLOY			
(57) Abstract An aluminum alloy suitable for machining, said alloy consisting essentially of: about 0.15-1.0 wt.% copper, about 0.4-1.5 wt.% tin, about 0.65-1.35 wt.% magnesium, about 0.4-1.1 wt.% silicon, about 0.002-0.35 wt.% manganese, up to about 0.5 wt.% iron, up to about 0.15 wt.% chromium and up to about 0.15 wt.% titanium, the remainder substantially aluminum. On a preferred basis, this alloy contains about 0.45-0.7 wt.% copper, about 0.9-1.3 wt.% tin, about 0.7-0.9 wt.% magnesium and about 0.45-0.75 wt.% silicon. The alloy is lead-free, bismuth-free, nickel-free, zirconium-free and cadmium-free. There is further disclosed an improved method for making screw machine stock or wire, rod and bar product from this alloy by casting, preheating, extruding, solution heat treating, cold finishing and thermally processing the aforementioned alloy composition.			