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(21) International Application Number: PCT/EP96/02289 ✓ (22) International Filing Date: 28 May 1996 (28.05.96) ✓ (30) Priority Data: MI95A001133 31 May 1995 (31.05.95) ✓ IT (71) Applicant (for all designated States except US): DALMINE S.P.A. [IT/IT]; Piazza Caduti 6 Luglio 1944, 1, I-24044 Dalmine (IT). (72) Inventors; and (75) Inventors/Applicants (for US only): CUMINO, Giuseppe [IT/IT]; Via Buttarò, 18, I-24044 Dalmine (IT). BARTERI, Massimo [IT/IT]; Piazza Vinci, 60, I-00139 Rome (IT). (74) Agent: GERVASI, Gemma; Notarbartolo & Gervasi S.r.l., Viale Bianca Maria, 33, I-20122 Milan (IT).		(81) Designated States: AL, AM, AU, AZ, BB, BG, BR, BY, CA, CN, CZ, EE, GE, HU, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LS, LT, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SG , SI, SK, TJ, TM, TR, TT, UA, UG, US, UZ, VN, ARIPO patent (KE, LS, MW, SD, SZ, UG), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, DE, DK, ES, FI, 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). Published <i>With international search report.</i> <i>Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i>
(54) Title: MARTENSITIC STAINLESS STEEL HAVING HIGH MECHANICAL STRENGTH AND CORROSION RESISTANCE AND RELATIVE MANUFACTURED ARTICLES		
(57) Abstract A supermartensitic stainless steel having high mechanical strength and corrosion resistance showing the following percentage composition C ≤ 0.05; Cr 12-15; Ni 4-7; Mo 1.5-2; N 0.06-0.12; Mn 0.5-1; Cu < 0.3; P < 0.02; S ≤ 0.005; Al < 0.02; Si ≤ 1; the rest being iron and minor impurities, with the further requirement that the percentages of Cr, Mo and N satisfy the following formula: (Cr+3.3 Mo + 16 N) ≥ 19. Said steel allows to obtain manufactured articles having excellent mechanical strength and corrosion resistance characteristics.		