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(21) International Application Number: PCT/IL97/00175 (22) International Filing Date: 3 June 1997 (03.06.97) (30) Priority Data: 118797 5 July 1996 (05.07.96) IL (71) Applicant (for all designated States except US): ISCAR LTD. (IL/IL); P.O. Box 11, 24959 Migdal Tefen (IL). (72) Inventors; and (75) Inventors/Applicants (for US only): SATRAN, Amir (IL/IL); Moran Street 6, 24960 Kfar Vradim (IL). FRUMKIN, Joseph (IL/IL); Eli Cohen Street 1/7, 22315 Nahariya (IL). (74) Agent: REINHOLD COHN AND PARTNERS; P.O. Box 4060, 61040 Tel-Aviv (IL).		(81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ARIPO patent (GH, 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 With international search report.
(54) Title: A CUTTING INSERT WITH A ROUNDED CORNER (57) Abstract A cutting insert (1) for use in a milling cutter for a face milling has upper, lower and side surfaces and at least one pair of main and minor cutting edges (10, 11) formed by the intersection between the upper surface (5) and an adjacent side surface (7). The cutting edges (10, 11) merge via a cutting corner portion (12) of a relatively large radius, which is provided with a land (15) formed at the upper surface (5) of the insert. The land (15) is inclined to the insert lower surface at an inclination angle which continuously varies from a negative value at an area of the corner portion (12) adjacent the main cutting edge (10) to a positive value at an area of the corner portion (12) adjacent the minor cutting edge (11).		

