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(21) International Application Number: PCT/SE98/00084 (22) International Filing Date: 21 January 1998 (21.01.98) (30) Priority Data: 9700300-8 31 January 1997 (31.01.97) SE (71) Applicant (for all designated States except US): ASTRA AKTIEBOLAG [SE/SE]; S-151 85 Södertälje (SE). (72) Inventors; and (75) Inventors/Applicants (for US only): ALBRÉKTSSON, Björn [SE/SE]; PI 4812, S-430 33 Fjärås (SE). CARLSSON, Lars [SE/SE]; S:a Bergavägen 8, S-429 31 Kullavik (SE). JACOBSSON, Magnus [SE/SE]; Skärsgatan 37, S-412 69 Göteborg (SE). RÖSTLUND, Tord [SE/SE]; Fasanstigen 2, S-429 35 Kullavik (SE). WENNERBERG, Stig [SE/SE]; Västra Holma 6266, S-424 57 Gunnilse (SE). (74) Agent: ASTRA AKTIEBOLAG; Patent Dept., S-151 85 Södertälje (SE).		(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, GM, GW, HU, ID, 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, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SZ, UG, ZW), 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: BONE REAMER FOR SHARPING BONE SOCKETS OR CAVITIES DURING ORTHOPAEDIC SURGERY (57) Abstract The invention is directed to a reamer (10) for shaping a bone socket (50), such as an acetabular cavity. The reamer (10) comprises cutting means for removing material from the socket during rotation of the cutting head. The cutting means comprises a number of relatively long main cutting edges, each of which extends in a direction from a base to a top of the reamer, and a number, higher than said number of main cutting edges, or relatively short peripheral cutting edges, which are located at the base and distributed at angularly spaced intervals about a rotational axis. The invention also provides a method for implanting a prosthesis component in a bone socket (50). During the shaping of the bone socket, a top portion of a reamer (10) is completely received in the bone socket (50) to such an extend, that a cylindrical entrance portion (52) is formed in the socket. The invention also provides a kit including a reamer and a prosthesis. 		