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| <p>(51) International Patent Classification <sup>6</sup> :<br/><b>B23B 51/00, 51/02, E21B 10/58</b></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <p><b>A1</b></p> | <p>(11) International Publication Number: <b>WO 96/40461</b><br/>(43) International Publication Date: 19 December 1996 (19.12.96)</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <p>(21) International Application Number: <b>PCT/US96/08927</b><br/>(22) International Filing Date: <b>4 June 1996 (04.06.96)</b><br/>(30) Priority Data:<br/>08/475,034 7 June 1995 (07.06.95) US<br/>08/545,272 19 October 1995 (19.10.95) US<br/>(71) Applicant: <b>CREDO TOOL COMPANY [US/US]; 2765 National Way, Woodburn, OR 97071 (US).</b><br/>(72) Inventor: <b>SCHIMKE, Thomas, O.; 504 Lake Forest Parkway, Louisville, KY 40243 (US).</b><br/>(74) Agents: <b>SALAZAR, John, F. et al.; Middleton &amp; Reutlinger, 2500 Brown &amp; Williamson Tower, Louisville, KY 40202 (US).</b></p> |                  | <p>(81) Designated States: <b>AL, AM, AT, AU, AZ, 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, 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, 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).</b></p> <p><b>Published</b><br/><i>With international search report.</i></p> |
| <p>(54) Title: <b>MASONRY DRILL BIT</b></p> <p>(57) Abstract</p> <p>A masonry drill and method of manufacture is disclosed. The drill has an elongated axial body with at least one discharge groove and a transverse slot located at one end with a hardened drill bit insert brazed within the slot. The hardened insert has projections extending outward from flat planar surfaces which hold the insert in proper orientation within the axial drill body so that it may be brazed into place subsequent to insertion into the drill body.</p> <div data-bbox="1005 1321 1436 1702"> </div>      |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |