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(54) Title: LUBRICATION PROCESSES FOR ENHANCED FORGEABILITY

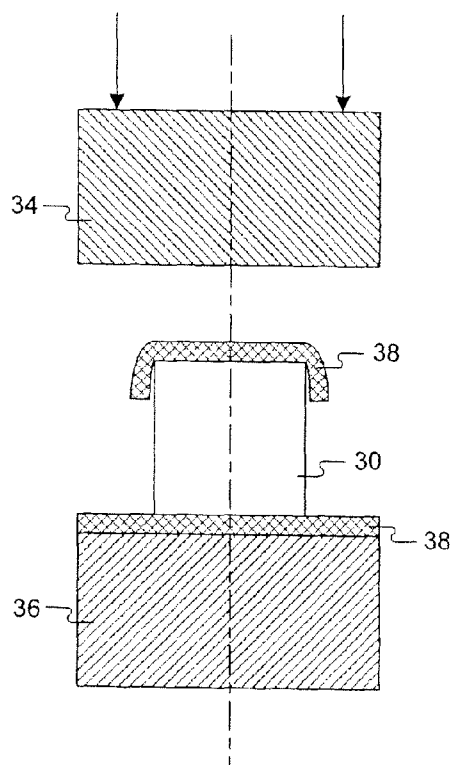


FIG. 3B

(57) Abstract: Forge lubrication processes are disclosed. A solid lubricant (38) sheet is placed between a workpiece (30) and a die (34; 36) in a forging apparatus. Force is applied to the workpiece (30) with the die (34; 36) to plastically deform the workpiece. The solid lubricant sheet (38) decreases the shear factor for the forging system and reduces the incidence of die-locking.





(81) **Designated States** (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PE, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

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