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| <b>(51) International Patent Classification <sup>6</sup>:</b><br><b>C11D 17/00, 10/04, 3/30, 3/20</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <b>A1</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <b>(11) International Publication Number:</b> <b>WO 96/04361</b><br><b>(43) International Publication Date:</b> 15 February 1996 (15.02.96) |
| <b>(21) International Application Number:</b> PCT/US95/09437<br><b>(22) International Filing Date:</b> 26 July 1995 (26.07.95)<br><b>(30) Priority Data:</b><br>08/285,261                      3 August 1994 (03.08.94)                      US<br><b>(71) Applicant:</b> THE PROCTER & GAMBLE COMPANY<br>[US/US]; One Procter & Gamble Plaza, Cincinnati, OH 45202 (US).<br><b>(72) Inventors:</b> WIEGAND, Benjamin, Carl; 7164 Lookout Court; Hamilton, OH 45011 (US). FIGUEROA, Alejandro; 10555 Montgomery Road, Cincinnati, OH 45242 (US). BRUNSMAN, Michael, August; 5317 Fox Road, Cincinnati, OH 45239 (US). ZYNGIER, Alexandre; Calle Ciega De San Marino-Quinta LasTias, Caracas 1010, D.F. (VE).<br><b>(74) Agents:</b> REED, T., David et al.; The Procter & Gamble Company, 5299 Spring Grove Avenue, Cincinnati, OH 45217 (US).                                                                                                                                                                                                                                                                                                                                                                                  | <b>(81) Designated States:</b> AM, AU, BB, BG, BR, BY, CA, CN, CZ, EE, FI, GE, HU, IS, JP, KG, KP, KR, KZ, LK, LR, LT, LV, MD, MG, MN, MX, NO, NZ, PL, RO, RU, <u>SG</u> , SI, SK, TJ, TM, TT, UA, UZ, VN, European patent (AT, BE, CH, DE, DK, ES, 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), ARIPO patent (KE, MW, SD, SZ, UG).<br><br><b>Published</b><br><i>With international search report.<br/>         Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i> |                                                                                                                                             |
| <b>(54) Title:</b> PROCESS FOR MAKING A TRANSPARENT PERSONAL CLEANSING BAR<br><b>(57) Abstract</b><br><p>This invention relates to a monohydric alcohol-free process for making transparent pour molded personal cleansing bars which exhibit good hardness characteristics. The process comprises: (I) making a molten mixture of from 18 parts to 35 parts soap, wherein said soap is at least 50 % insoluble sodium soap; from 14 parts to 32 parts water; from 5 parts to 37 parts synthetic surfactant; and from 18 parts to 37 parts of a water-soluble organic solvent, wherein the combined level of water and water-soluble organic solvent within the molten mixture is at least 40 parts; and (II) transferring a unit amount of said molten mixture into a bar-forming mold or tube and (III) allowing said molded unit to cool in acquiescent conditions into a mild, low-smearing transparent personal cleansing bar. The preferred bars made by the process of the present invention are more weight stable than bars made with several parts of alcohol. An important benefit of this invention is that bar processing time is substantially reduced by faster crystallization and faster bar stabilization.</p> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                             |