

(51) International Patent Classification:
B29C 44/34 (2006.01)(21) International Application Number:
PCT/SG2011/000205(22) International Filing Date:
8 June 2011 (08.06.2011)

(25) Filing Language: English

(26) Publication Language: English

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(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.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM,

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(54) Title: METHODS AND APPARATUS FOR MIXING CHEMICAL COMPONENTS FOR THE MANUFACTURE OF POLYURETHANE

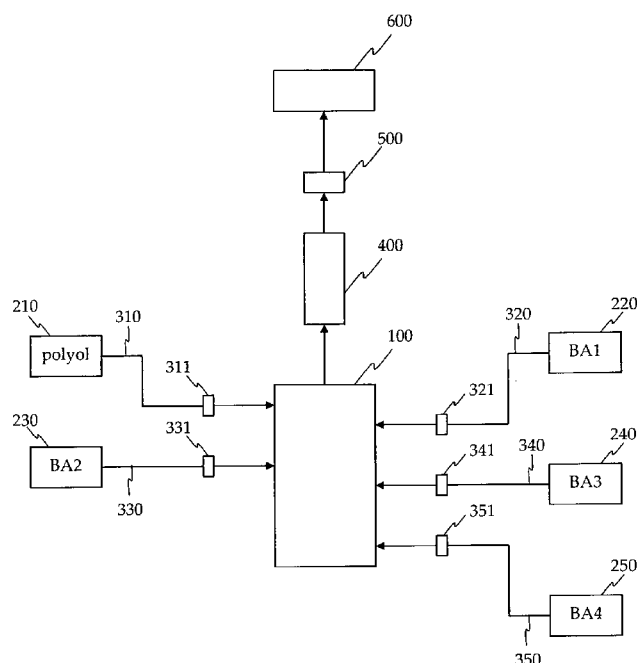


FIGURE 1

(57) Abstract: Embodiments of the invention describe methods and apparatus for mixing chemical components in the manufacture of polyurethane foam. The chemical components include a polyol and different blowing agents. The blowing agents are injected directly into a mixing chamber (100) at different height levels according to their boiling points. The mixing chamber allows continuous discharge of the mixture into a static mixer (400) for further mixing before being stored into a storage tank (600). The blowing agents are chemical compounds selected from the group consisting of hydrocarbon - containing compounds, hydrofluorocarbon - containing compounds or hydrofluoroolefin - containing compounds.



TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, **Published:**
ML, MR, NE, SN, TD, TG).

— *with international search report (Art. 21(3))*