



(51) International Patent Classification:
C03B 5/187 (2006.01)

(21) International Application Number:
PCT/EP2009/052756

(22) International Filing Date:
10 March 2009 (10.03.2009)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
10 2008 017 045.3 3 April 2008 (03.04.2008) DE

(71) Applicant (for all designated States except US): **UMI-CORE AG & CO. KG** [DE/DE]; Rodenbacher Chaussee 4, 63457 Hanau-wolfgang (DE).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **SINGER, Rudolf** [DE/DE]; Am Sportfeld 1, 55270 Engelstadt (DE).

(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, CN, CO, CR, CU, CZ, 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, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, 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, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (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, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declarations under Rule 4.17:

- as to the identity of the inventor (Rule 4.17(i))
- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))

[Continued on next page]

(54) Title: STIRRING SYSTEM AND METHOD FOR HOMOGENIZING GLASS MELTS

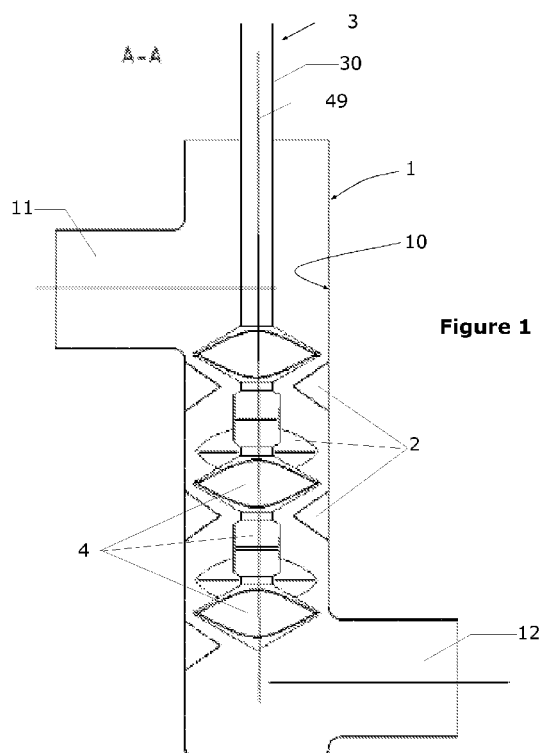


Figure 1 B

(57) Abstract: The invention relates to a stirring system for molten glass and to a stirring vessel (1) and a stirrer (3). In this case, the stirrer (3) has a shaft (30) and at least one stirring member (4). The stirring member (4) is formed in such a way that the stirrer (3) can be introduced into the stirring vessel (1) by at least one axial or translatory relative movement of the stirrer (3) in relation to the stirring vessel (1), at least one subsequent or simultaneous relative rotation of the stirrer (3) in relation to the stirring vessel (1) and a further axial or translatory relative movement of the stirrer (3) in relation to the stirring vessel (1). In this case it is possible in the operating state for the stirrer (3) to be rotated in the stirring vessel (1). Furthermore the stirring vessel (1) comprises at least two baffles (2) extending from the inner circumferential surface (10) stirring system and method for homogenizing glass melts



-
- *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))*
- Published:**
- *with international search report (Art. 21(3))*