



(51) International Patent Classification:
F23H 7/08 (2006.01) *F23L 1/02* (2006.01)
F23H 17/12 (2006.01)

(21) International Application Number:
PCT/IB2011/053935

(22) International Filing Date:
9 September 2011 (09.09.2011)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
1014974.8 9 September 2010 (09.09.2010) GB

(71) Applicant (for all designated States except US): **TISKA GMBH** [DE/DE]; Bürgermeister Konrad Weg 6, 82402 Seeshaupt (DE).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **SCHMID, Wolfgang** [DE/DE]; Bürgermeister Konrad Weg 6, 82402 Seeshaupt (DE).

(74) Agents: **SCHWEIGER, Martin** et al.; Schweiger & Partner, Karlstr. 35, 80333 Munich (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, 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, QA, RO, RS, RU, RW, 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, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

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

(54) Title: GRATE BAR FOR A FURNACE COMPRISING AIR DUCTS

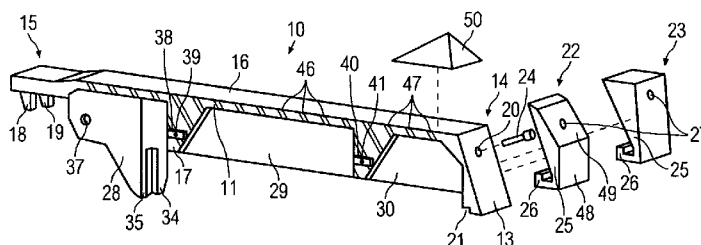


FIG. 7

(57) Abstract: Grate bar for a furnace. The grate bar comprises a first air duct (46) at a first lateral side of the grate bar. The first air duct is provided at an angle other than 90 degrees with respect to a longitudinal axis of the grate bar.