



(51) International Patent Classification:
F28D 9/00 (2006.01)

(21) International Application Number:
PCT/SE2010/051298

(22) International Filing Date:
24 November 2010 (24.11.2010)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
0950889-6 24 November 2009 (24.11.2009) SE
12/624,612 24 November 2009 (24.11.2009) US

(71) Applicant (for all designated States except US): **AIR TO AIR SWEDEN AB** [SE/SE]; Tumlaregränden 5, SE-226 51 Lund (SE).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **SIVERKLEV, Johan** [SE/SE]; Skogsliden 9, SE-438 92 Härryda (SE).

(74) Agent: **KRANSELL & WENNBORG KB**; Box 27834, SE-115 93 Stockholm (SE).

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

Published:

— without international search report and to be republished upon receipt of that report (Rule 48.2(g))

(54) Title: A METHOD OF PRODUCING MULTIPLE CHANNELS FOR USE IN A DEVICE FOR EXCHANGE OF SOLUTES OR HEAT BETWEEN FLUID FLOWS

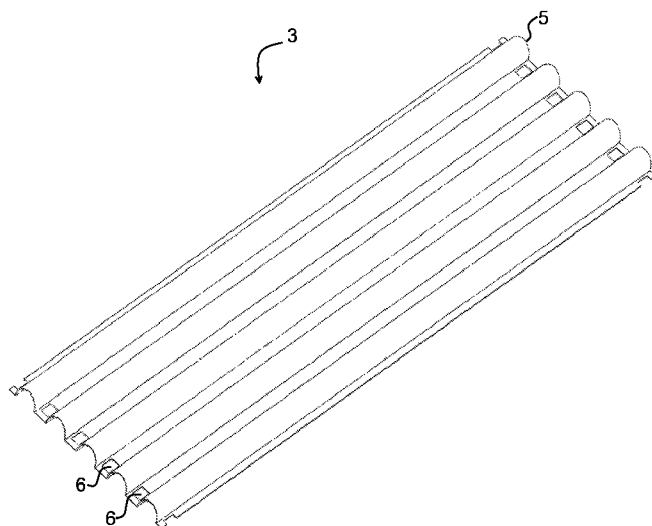


Fig. 3

(57) Abstract: The present invention relates to a method of producing multiple channels for use in a device for exchange of solutes between at least two fluid flows. The invention further relates to such a device. At least a first and a second sheet are comprised. The method comprises the steps of providing at least one of the first and second sheets with at least one profiled surface and joining the first and second sheets together with the profiled surfaces facing against each other. Channels are formed by the shape of the profiled surfaces.