



(43) International Publication Date
25 September 2014 (25.09.2014)

- (51) International Patent Classification:
F28D 3/02 (2006.01)
- (21) International Application Number:
PCT/NZ2014/000042
- (22) International Filing Date:
18 March 2014 (18.03.2014)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
608390 18 March 2013 (18.03.2013) NZ
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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, BN, 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, IR, IS, JP, KE, KG, 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, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA, 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, RW, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, 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, KM, 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: HEAT RECOVERY SYSTEM

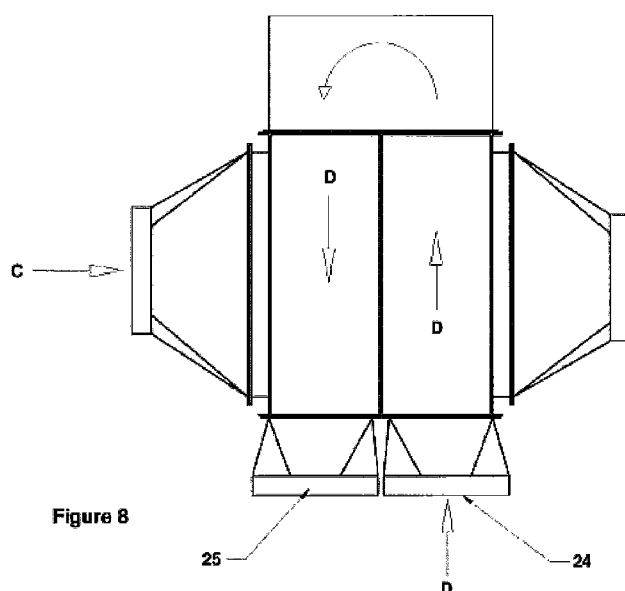


Figure 8

(57) Abstract: The invention relates to a heat recovery system that has particular application in hazardous and corrosive environments. The system comprises a heat exchanger with a housing having an air supply inlet, an air supply outlet, an exhaust inlet and an exhaust outlet; and a plurality of panels within the housing. The panels are spaced apart from each other to form a plurality of first channels extending through the heat exchanger in a first direction. Each panel comprises substantially parallel walls separated by spacers, to form a plurality of second channels extending through each panel in a second direction. Spaces between the panels in the second direction are closed. The supply air outlet is in communication with the exhaust air inlet. The system includes a fume cupboard having an exhaust means in communication with the exhaust outlet of the heat exchanger; and an air conditioner having a supply air intake means.