



(51) International Patent Classification:

B01D 3/22 (2006.01) B01J 19/00 (2006.01)

B01D 3/32 (2006.01)

(21) International Application Number:

PCT/US2012/037924

(22) International Filing Date:

15 May 2012 (15.05.2012)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

61/486,645 16 May 2011 (16.05.2011) US

13/470,498 14 May 2012 (14.05.2012) US

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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, 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, 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,
ML, MR, NE, SN, TD, TG).

Declarations under Rule 4.17:

— as to applicant's entitlement to apply for and be granted a
patent (Rule 4.17(ii))— 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))

— before the expiration of the time limit for amending the
claims and to be republished in the event of receipt of
amendments (Rule 48.2(h))

(88) Date of publication of the international search report:

24 January 2013

(54) Title: USE OF DOWNCOMER BEAM TO SUPPORT ADJACENT CROSS FLOW TRAYS WITHIN A MASS TRANSFER COLUMN AND PROCESS INVOLVING SAME

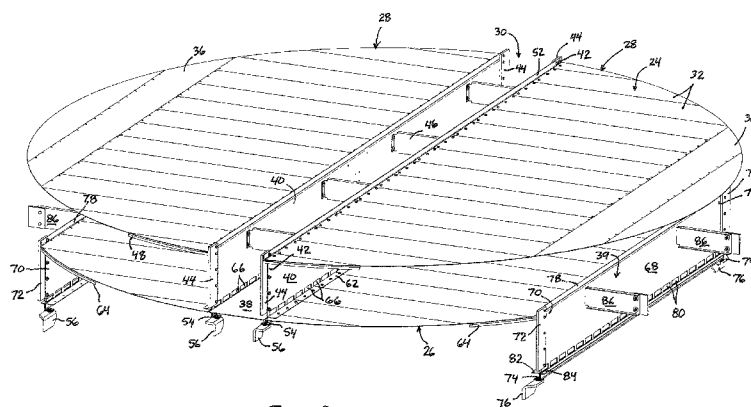


Fig. 3.

(57) Abstract: Cross flow trays in a mass transfer column are provided with downcomers having one or more walls that extend from a tray deck of one the cross flow trays to an elevation below a tray deck of an underlying one of the cross flow trays. The downcomer walls are connected to and provide structural support for the tray decks of the cross flow trays.