

09 JUL 2003

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau

162162

(43) International Publication Date
6 September 2002 (06.09.2002)

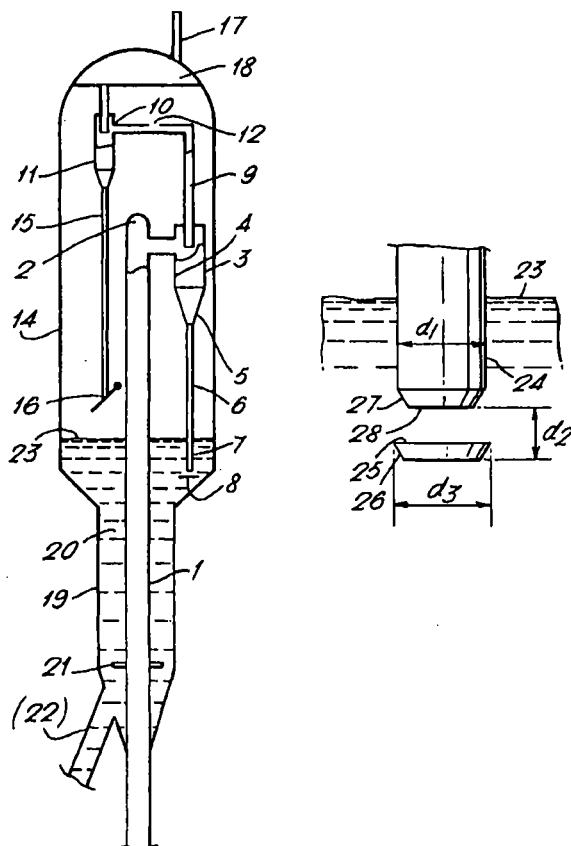
PCT

(10) International Publication Number
WO 02/068566 A1

- (51) International Patent Classification⁷: C10G 11/18
- (21) International Application Number: PCT/EP02/01871
- (22) International Filing Date: 21 February 2002 (21.02.2002)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
01200663.1 22 February 2001 (22.02.2001) EP
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- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR), OAPI patent

[Continued on next page]

(54) Title: FCC APPARATUS



(57) Abstract: Fluid catalytic cracking reactor comprising an elongated reactor riser (1) and a reactor vessel (14), wherein the reactor vessel (14) comprises a dense phase fluidized stripping zone (20) and a catalyst outlet (22) at its lower end, a cracked vapour outlet (17) at its upper end and a cyclone separator (3) fluidly connected to the outlet (2) of the reactor riser (1), which cyclone separator (3) is provided with a dipleg (24) which lower open end terminates below the upper bed level (23) of the dense phase fluidized stripping zone (20), the dense phase fluidized stripping zone (20) further comprising a horizontal plate (25) positioned below the lower open end (28) of the dipleg (24), wherein the plate (25) is a circular plate having a raised border (26) and the lower open end (28) of the dipleg is restricted (27).

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ACTION

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

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

Published:

- *with international search report*
- *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*