

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
14 February 2008 (14.02.2008)

PCT

(10) International Publication Number
WO 2008/018108 A3

- (51) International Patent Classification:
B01D 17/04 (2006.01) **B01D 17/02** (2006.01)
- (21) International Application Number:
PCT/IT2007/000571
- (22) International Filing Date: 6 August 2007 (06.08.2007)
- (25) Filing Language: Italian
- (26) Publication Language: English
- (30) Priority Data:
BA2006A000051 7 August 2006 (07.08.2006) IT
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Bari (IT).
- (81) Designated States (*unless otherwise indicated, for every
kind of national protection available*): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH,

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, PG, PH, PL,
PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY,
TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA,
ZM, ZW.

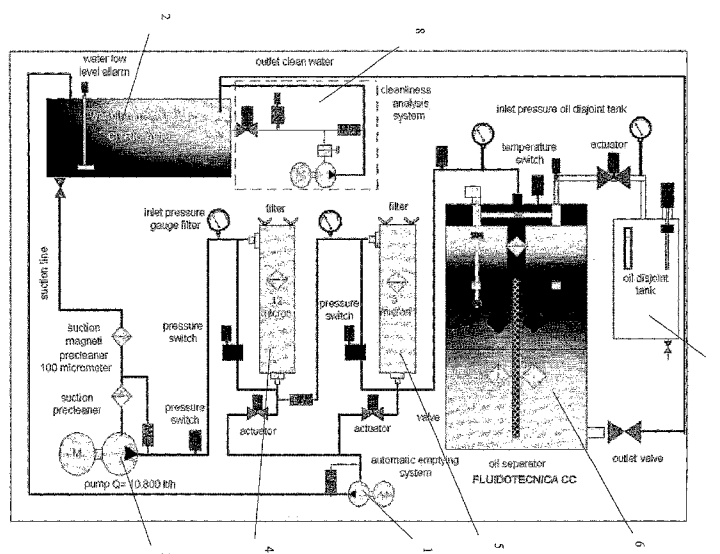
(84) Designated States (*unless otherwise indicated, for every
kind of regional protection available*): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, FI,
FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL,
PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM,
GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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

(88) Date of publication of the international search report:
20 March 2008

(54) Title: SEPARATION PROCESS OF BI-PHASE FLUIDS AND RELATED ACCELERATOR SYSTEM



(57) Abstract: Process for the separation of two-phase fluids and relative accelerator unit, comprising means (1) for pumping the two-phase fluid, at least one washing tank (2) filtering means (4) (5) for the coalescence of the particles, sensors and actuators for controlling flow rate, pressure and temperature, at least one tank for collecting the fluid at lower density (7) (normally oil) and characterised by an oil separator (6) inside of which a controlled field of hydrodynamic pressures is generated, correlated to the density of the fluids to be treated, which accelerates the stratification phenomenon, allowing the phase at lower density (for example oil) to be drawn off and the constant flow of the decontaminated phase (for example water) towards the outlet from the system.

INTERNATIONAL SEARCH REPORT

International application No
PCT/IT2007/000571

A. CLASSIFICATION OF SUBJECT MATTER
INV. B01D17/04 B01D17/02

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
B01D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

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☒ See patent family annex.

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- * & * document member of the same patent family

Date of the actual completion of the international search

31 January 2008

Date of mailing of the international search report

07/02/2008

Name and mailing address of the ISA/

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INTERNATIONAL SEARCH REPORT

International application No
PCT/IT2007/000571

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

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International application No

PCT/IT2007/000571

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