



(51) International Patent Classification:
F23C 10/10 (2006.01) F23L 7/00 (2006.01)
F23C 10/20 (2006.01)

Varkaus (FI). TIENSUU, Juha [FI/FI]; Pillilammenkuja 8, FI-40270 Palokka (FI).

(21) International Application Number:
PCT/FI2009/050095

(74) Agent: GENIP OY; P.O. Box 201, FI-78201 Varkaus (FI).

(22) International Filing Date:
5 February 2009 (05.02.2009)

(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, 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, ST, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
20085108 8 February 2008 (08.02.2008) FI

(71) Applicant (for all designated States except US): FOSTER WHEELER ENERGIA OY [FI/FI]; Metsänneidonkuja 8, FI-02130 ESPOO (FI).

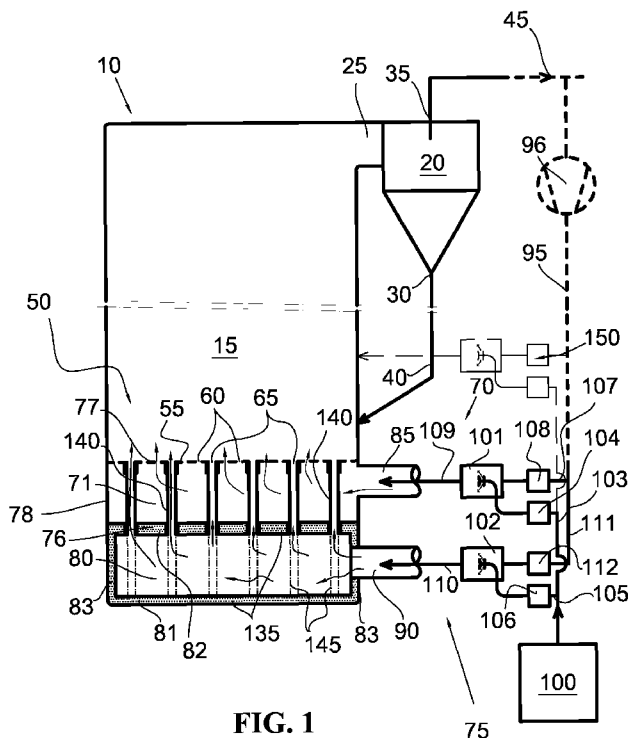
(72) Inventors; and

(75) Inventors/Applicants (for US only): ERIKSSON, Timo [FI/FI]; Ummukankatu 16 B 14, FI-78300 Varkaus (FI). MIETTINEN, Jouni [FI/FI]; Sulkavakuja 2, FI-78500

(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, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, SE, SI, SK, TR),

[Continued on next page]

(54) Title: OXYCOMBUSTION CIRCULATING FLUIDIZED BED REACTOR AND METHOD OF OPERATING SUCH A REACTOR



(57) Abstract: An oxycombustion circulating fluidized bed reactor comprising a reactor chamber (15) and a gas distribution arrangement (50) provided in the bottom section of the reactor chamber for introducing gas into the reactor chamber, which gas distributor arrangement comprises a first gas feeding system (70) and a second gas feeding system (75) for introducing oxygen-rich gas into the reactor chamber (15). The first gas feeding (70) system comprises a first wind box (71) and the second gas feeding system (75) comprises a second wind box (80) and that the first wind box has a common wall (77) with the reactor chamber and the second wind box arranged under the first wind box has a common wall (76) with the first wind box.

WO 2009/098358 A3



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

Published:

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))*

- *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:

19 August 2010

INTERNATIONAL SEARCH REPORT

International application No
PCT/FI2009/050095

A. CLASSIFICATION OF SUBJECT MATTER
 INV. F23C10/10 F23C10/20 F23L7/00
 ADD.

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)
 F23C B01J F23L

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

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Further documents are listed in the continuation of Box C. See patent family annex.

* Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
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"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search 16 June 2010	Date of mailing of the international search report 30/06/2010
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Name and mailing address of the ISA/ European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Fax: (+31-70) 340-3016	Authorized officer Mougey, Maurice
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