

(19) World Intellectual Property Organization  
International Bureau



(43) International Publication Date  
19 December 2002 (19.12.2002)

PCT

(10) International Publication Number  
**WO 02/100982 A1**

(51) International Patent Classification<sup>7</sup>: **C10G 9/16**,  
9/20, C07C 4/04, 11/02, B01J 19/00

(21) International Application Number: PCT/US02/18850

(22) International Filing Date: 12 June 2002 (12.06.2002)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
09/880,588 13 June 2001 (13.06.2001) US

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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, 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,  
NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM,  
TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, 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  
(BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR,  
NE, SN, TD, TG).

**Published:**

— with international search report

*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.*

(54) Title: PYROLYSIS HEATER WITH PAIRED BURNER ZONED FIRING SYSTEM

(57) Abstract: A pyrolysis heater has the inlet sections of the process coils grouped together and the outlet sections of these same process coils also grouped together. High heat liberation hearth burners are located adjacent to the inlet sections of the coils and lower heat liberation burners are located adjacent to the outlet sections. The secondary fuel tips of the burners are inclined toward the adjacent, heater wall. The high heat liberation hearth burners adjacent to the inlet coils are arranged in spaced apart pairs with the secondary burner tips of each of the pair being inclined toward the other burner of the pair.



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