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(54) Title: SYNTHETIC FUEL PELLET AND METHODS

(57) Abstract: The present invention includes a synthetic fuel pellet, the pellet comprising a compressed agglomeration of: (a) coal fines; (b) a fibrous cellulosic material wherein the fibers of the fibrous cellulosic material have been substantially disintegrated; and (c) at least one binder, the binder adapted to form a pellet of the coal fines and the fibrous cellulosic material.

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INTERNATIONAL SEARCH REPORT

International application No.
PCT/US 07/10027

A. CLASSIFICATION OF SUBJECT MATTER
IPC(8) - C10L 5/00 (2007.01)
USPC - 44/550; 44/504; 44/530
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)
IPC(8) - C10L 5/00 (2007.01)
USPC - 44/550; 44/504; 44/530

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
IPC(8) - C10L 5/00 (2007.01) - PGPB, USPT, EPAB, JPAB
USPC - 44/550; 44/504; 44/530; 44/$ - PGPB, USPT, EPAB, JPAB

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
USPTO - WEST - PGPB, USPT, EPAB, JPAB
Terms: "fuel pellet", "coal", "cellulosic", "binder", "thermoplastic", "nylon", "polyvinyl alcohol", "thermoset", "Maillard", "compressing", query, search, refine

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X -- Y	US 5,980,595 A (ANDREWS) 09 November 1999 (09.11.1999), entire document, especially abstract, col 3, ln 54-61, col 4, ln 3-14, col 4, ln 41 to col 5, ln 56, col 6, ln 39-50, and col 6, ln 63 to col 7, ln 24.	1-2, 6-7, 11-17 and 19-22 --- 3-5, 8-10 and 18
Y	US 4,529,407 A (JOHNSTON et al.) 16 July 1985 (16.07.1985), entire document, especially col 8, ln 18-21, and Table 1.	3
Y	US 4,863,485 A (SCHAFFER et al.) 05 September 1989 (05.09.1989), entire document, especially abstract, and col 3, ln 10-15.	4-5 and 10
Y	US 5,017,319 A (SHEN) 21 May 1991 (21.05.1991), entire document, especially abstract, and col 18, ln 54 to col 19, ln 4.	8 and 10
Y	US 5,371,194 A (FERRETTI) 06 December 1994 (06.12.1994), entire document, especially col 2, ln 26-47.	9
Y	US 2004/0045215 A1 (GUILFOYLE) 11 March 2004 (11.03.2004), entire document, especially para [0025] and [0029].	18

☐ Further documents are listed in the continuation of Box C. ☐

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"A" document defining the general state of the art which is not considered to be of particular relevance
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"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
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Date of the actual completion of the international search	Date of mailing of the international search report
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