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(54) **Combined dryer/gasifier.**

(57) The present invention comprises a combined system which comprises a drying component which will effect a drying process comprising means for providing heat to wet materials in order to evaporate at least a portion of the water contained in such materials into a gas comprising, at least in part, oxygen, and means to duct off the gas which then comprises at least oxygen and water vapor; and a gasification component comprising means to supply fossil fuel, means to supply as gas comprising at least in part oxygen and water vapor in the proportions required for gasification, means for extracting at least one fraction produced by the gasification reaction, and means for utilizing the excess heat generated by the gasification reaction; wherein at least a portion of the gas supplied to the gasification reaction is the gas generated and ducted off in the drying process.



DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int Cl ³)
A	DE-C- 561 446 (METALLGESELLSCHAFT) * Page 1, line 17 - page 2, line 62 *	1,2	C 10 J 3/16 F 26 B 3/00
A	--- DE-C- 974 164 (H. BACHL) * Page 2, line 124 - page 3, line 39 *	1	
A	--- DE-C- 494 532 (PINTSCH) * Page 2, line 86 - page 3, line 12 *	1	
A	--- FR-A-2 465 173 (L. BOUILLET IND.) * Page 2, line 30 - page 3, line 6 *	1	
A	--- US-A-4 057 402 (PATEL) * Column 7, lines 19-36 *	1-3	
D,A	--- US-A-4 284 416 (NAHAS) * Column 8, claim 1 *	1	
P,A	--- EP-A-0 058 892 (MALOM-ES SÜTÖIPARI KUTATOINTEZET) * Pages 11-13, claims *	1-3	
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 27-08-1984	Examiner WENDLING J.P.
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	