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- as to the identity of the inventor (Rule 4.17(i))
- as to the applicant's entitlement to claim the priority of
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- of inventorship (Rule 4.17(iv))

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HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR,
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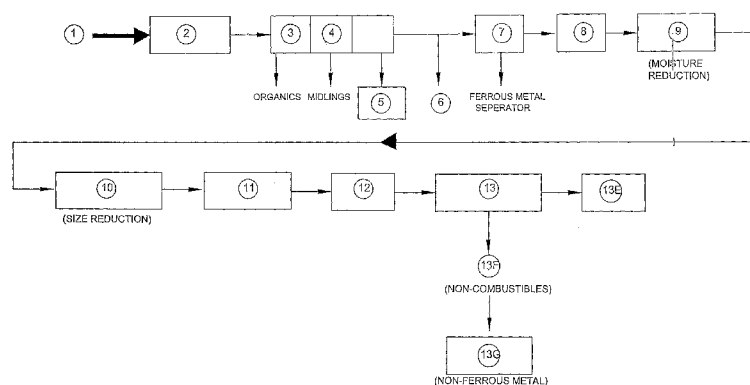
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(54) Title: SYSTEM AND METHOD FOR GENERATION OF ELECTRICITY FROM SOLID MUNICIPAL WASTE

THE PROCESS



(57) Abstract: The power generation system using waste as the raw material. This consists of various steps a. Combustible is fed into the boiler for combustion. b. Hi-pressure steam generated in the boiler is fed into the turbine which drives generator leading to power generation. c. Another end of the turbine is connected to a condenser which in turn connected to a cooling tower, and vacuum is maintained in the condenser. d. In another end of the condenser, the condensate is collected and recycled to the boiler through a hot well, and de-aerator and a feed pump. e. Part of the steam is extracted from the turbine at low pressure and fed into air heater to generate hot air for waste drying. This is the principle of co- generation and it increases the over all thermal efficiency of the power generation cycle leading to economic viability.

INTERNATIONAL SEARCH REPORT

International application No.
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A. CLASSIFICATION OF SUBJECT MATTER IPC ⁸ : F23G 5/02 (2006.01); F01K 17/06 (2006.01) 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 : F23G, F01K 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 practicable, search terms used) EPODOC, WPI		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 5 713 195 A (Bronicki et al.) 03 February 1998 (03.02.1998) --	1-11
Y	EP 0 786 625 A2 (HITACHI LTD.) 30 July 1997 (30.07.1997) <i>Description, column 2, line 14 - column 5, line 45; figures 1-4</i> --	1-11
Y	JP 5-288324 A (KUMAGAI GUMI CO LTD) 02 November 1993 (02.11.1993) ----	1-11
☐ Further documents are listed in the continuation of Box C. ☒ See patent family annex.		
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Name and mailing address of the ISA/ AT Austrian Patent Office Dresdner Straße 87, A-1200 Vienna Facsimile No. +43 / 1 / 534 24 / 535		Authorized officer PARRAGI, T. Telephone No. +36 / 1 / 474 / 5881

INTERNATIONAL SEARCH REPORT

International application No. PCT/IN 2009/000006

Continuation of first sheet

Continuation No. II:

**Observations where certain claims were found unsearchable
(Continuation of item 2 of first sheet)**

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

Claims Nos.: 12 and 13 because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:

Claims shall not rely on references to the description or drawings (PCT Rule 6.2).

INTERNATIONAL SEARCH REPORT

Information on patent family members

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Patent document cited in search report			Publication date		Patent family member(s)			Publication date	
US	A	5713195			US	A	6014856	2000-01-18	
					US	A	5713195	1998-02-03	
					IL	A	115337	2001-08-26	
EP	A	0786625			EP	A2	0786625	1997-07-30	
					JP	A	9203305	1997-08-05	
JP	A	5288324			JP	A	5288324	1993-11-02	