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(54) Title: THE METHOD OF CONDUCTING A PYROLYSIS PROCESS OF PLASTIC WASTE AND/OR RUBBER WASTE AND/OR ORGANIC WASTE AND THE INSTALLATION TO CARRY OUT THIS METHOD

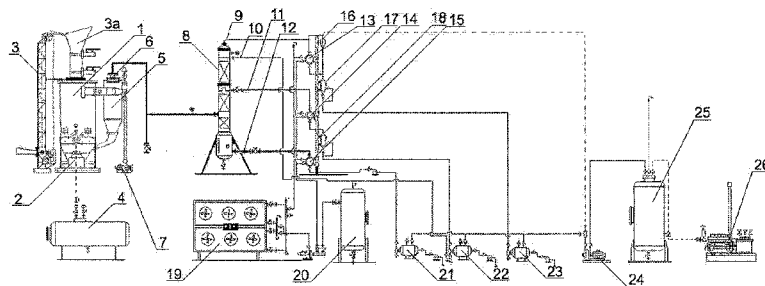


Fig. 1

(57) Abstract: The object of the invention is the method of conducting a pyrolysis process of plastic waste and/or rubber waste and/or organic waste, comprising subjecting these components to a thermal decomposition in a pyrolytic reactor without access of air, at a temperature of 200 to 850°C, and separation of the obtained products in the fractional column, characterized in that the process is carried out continuously and without any emissions, under reduced pressure, wherein, in the pyrolytic installation, the circulating gases are sucked by means of a vacuum pump from the tanks of final products and from the separator of solid and gaseous particles, also connected to the pyrolytic reactor, and from the fractional column, and from the heat exchangers, so that in all of these interconnected components of the pyrolytic installation, an even reduced pressure of 0.1 to 0.9 atm is maintained. The invention relates also to the installation for conducting this pyrolysis process.

INTERNATIONAL SEARCH REPORT

International application No

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A. CLASSIFICATION OF SUBJECT MATTER

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ADD.

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B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

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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)

EPO-Internal, COMPENDEX, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	Leszek Borkowski: "Disposal of municipal waste, rubber, and processing of biomass in the low and high temperature pyrolysis", 16 April 2012 (2012-04-16), XP055086578, Retrieved from the Internet: URL: http://www.slideshare.net/1bb9999/pyrolysis-eng-160412 [retrieved on 2013-11-04] pages 2/8-7/8	1-10
A	----- "TYRE PYROLYSIS", 4 November 2011 (2011-11-04), XP055086570, Retrieved from the Internet: URL: http://fum-warka.pl/Pyrolysis.pdf [retrieved on 2013-11-04] pages 1-5 -/-	1-10

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

☒ See patent family annex.

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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
L	-& "Digital Detective: "WebDate - screenshot establishing the date of the latest modification of the webpage of XP0055086570", XP002716154, Retrieved from the Internet: URL:www.digital-detective.co.uk [retrieved on 2013-11-11] -----	
A	CN 201 855 831 U (UNIV GUANGDONG TECHNOLOGY) 8 June 2011 (2011-06-08) figure 1 claims 1-3 paragraphs [0017], [0018] -----	1-10
A	DE 36 02 555 A1 (BBC BROWN BOVERI & CIE [DE]) 30 July 1987 (1987-07-30) column 5, lines 28-35 figure 1 -----	1-10

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
CN 201855831	U	08-06-2011	NONE	

DE 3602555	A1	30-07-1987	NONE	
