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(54) Title: TURBINE SYSTEM

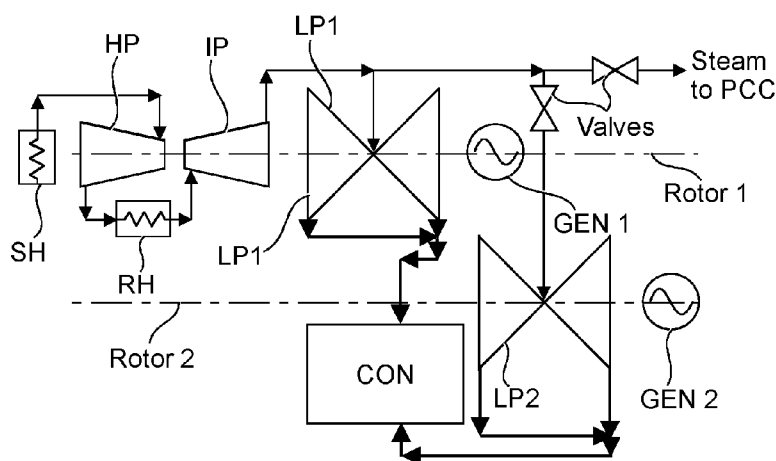


Fig. 5

(57) **Abstract:** A steam turbine system is described comprising at least one high pressure turbine, and / or at least one intermediate pressure turbine, and at least one first low pressure turbine, mounted on a first rotary shaft that is coupled to drive at least one first electrical generator; and at least one further low pressure turbine, mounted on a further rotary shaft that is coupled to drive at least one further electrical generator. The same rotary generator on the further shaft may be connected by flexible couplings to at least two or more low pressure turbines for multiple units within the same power plant. There is a steam supply system to supply low pressure steam to the low pressure turbines provided with a steam outlet to enable extraction of auxiliary process steam from a location in the steam supply system upstream of the further low pressure turbine but not upstream of the first low pressure turbine. The system is described as part of a steam generator fuelled by carbonaceous fuel combustion with post combustion carbon capture capability.



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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER
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ADD.

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)
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)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 2 305 964 A1 (SIEMENS AG [DE]) 6 April 2011 (2011-04-06) paragraphs [0034] - [0048]; figures 1,3 -----	1-17
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X,P	US 2011/120130 A1 (MISHIMA NOBUYOSHI [JP] ET AL) 26 May 2011 (2011-05-26) the whole document -----	1-17



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See patent family annex.

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INTERNATIONAL SEARCH REPORT

Information on patent family members

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