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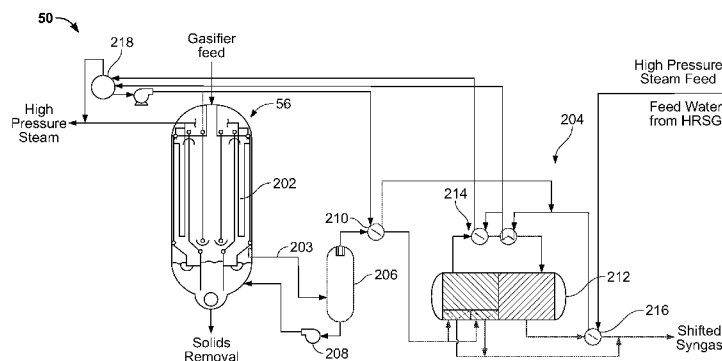
(54) **Title:** METHODS AND SYSTEMS FOR INTEGRATED BOILER FEED WATER HEATING

FIG. 2

(57) **Abstract:** Methods and systems for a gasifier system are provided. The gasifier system includes a gasifier (56) including a syngas cooler (202) configured to transfer heat from a reaction zone of the gasifier to a flow of fluid through the syngas cooler, a reaction vessel (212) coupled in flow communication with the syngas cooler wherein the reaction vessel is adapted to receive the flow of fluid and generate heat in an exothermic shift reaction. The system also includes a heat exchanger (210) coupled in flow communication with the reaction vessel, the heat exchanger adapted to produce relatively high pressure steam using the generated heat.



— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))*

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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 C10K C10J

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 practical, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

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A	paragraphs [0021] - [0023], [0 31] - [0036]; figure 4 -----	
X	GB 2 296 255 A (JACOBS ENG LTD [GB]) 26 June 1996 (1996-06-26) page 1, paragraph 2 page 2, paragraph 2-4 page 4, line 15 - page 5, line 5; figures ----- -/--	1-9, 12-19



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.
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INTERNATIONAL SEARCH REPORT

Information on patent family members

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