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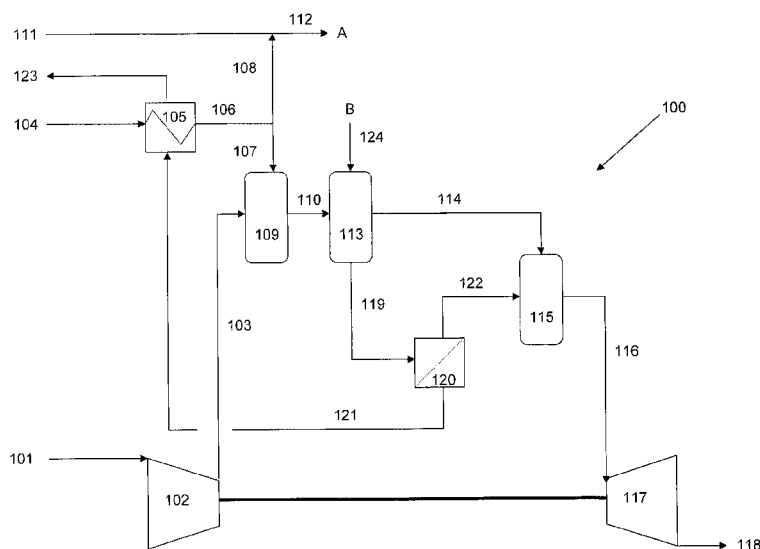


Figure 1

(57) **Abstract:** A process for the integration of power generation and an SMR including introducing a combustion air stream into a compressor, thereby producing a compressed air stream. The compressed air stream is then introduced, along with a combustor feed gas stream into a first combustor, thereby producing a first exhaust gas stream. The first exhaust gas stream is then introduced into the shell-side of an SMR, thereby providing the heat for the reforming reaction, and generating a syngas stream and a second exhaust gas stream. The second exhaust gas stream is introduced, along with a secondary fuel stream, into a second combustor, thereby producing a third exhaust gas stream. The third exhaust gas stream is then introduced into an expander, thereby producing power output and a fourth exhaust gas stream.



INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER

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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 practical, search terms used)

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C. DOCUMENTS CONSIDERED TO BE RELEVANT

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X	US 7 076 957 B2 (AHMED M MUSHTAQ [US] ET AL) 18 July 2006 (2006-07-18) column 4, line 63 - column 6, line 30; figures 1,6,7	11-14
X	US 6 338 239 B1 (HIRATA HARUHIKO [JP] ET AL) 15 January 2002 (2002-01-15) column 3, line 45 - column 4, line 43; figures 1,4	9,10
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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

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