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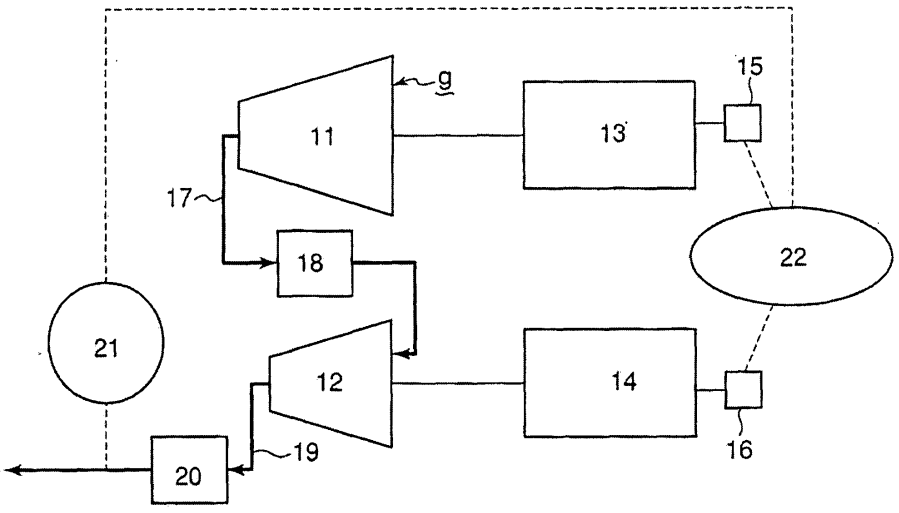
(54) Rotary compressor unit and method of controlling operation thereof

(57) The compressor unit having at least two compressors, for example a low pressure stage compressor (11) and a high pressure stage compressor (12) connected in series, of which the low pressure sage compressor (11) and high pressure stage compressor (12) are driven by driving devices (13 and 14) respectively separately or driven by a single driving device (41) via variable speed gears (43 and 44) respectively connected to each of the compressors, and rotation speed of the low pressure stage compressor (11) and that of the high pressure stage compressor (12) are controlled independently in accordance with various operating conditions of the compressor unit so that optimal load balancing of the compressors (11 and 12) is always achieved.

FIG. 1



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EUROPEAN SEARCH REPORT

Application Number
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F04C
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The present search report has been drawn up for all claims

Place of search	Date of completion of the search	Examiner
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CATEGORY OF CITED DOCUMENTS

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