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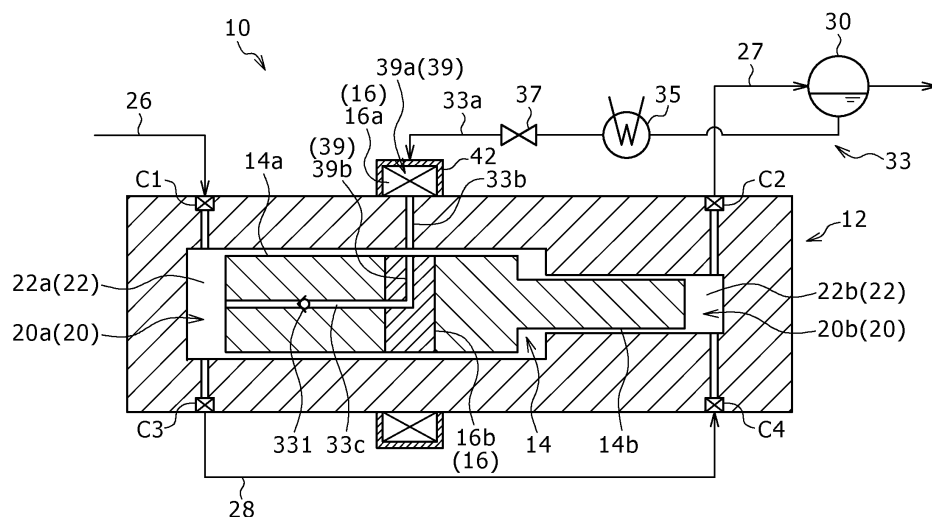
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(54) **RECIPROCATING COMPRESSION APPARATUS**

(57) To simplify a configuration for returning to un-compressed gas a lubricant separated from gas discharged from a compression chamber, while effectively using the lubricant, a reciprocating compression apparatus includes: a cylinder; a piston disposed in the cylinder to form a compression chamber therein; a drive section for generating drive force for reciprocating the piston in the cylinder; a separator for separating a lubricant from gas discharged from the compression chamber; and a

return line for returning the lubricant separated in the separator to a return destination where gas containing the lubrication is present and a pressure is lower than that in the separator. The return line includes a lubrication cooling unit for cooling the lubricant flowing through the return line and a drive section cooling section for cooling the drive section with the lubricant which has been cooled in the lubricant cooling unit 35.

FIG. 1





EUROPEAN SEARCH REPORT

 Application Number
 EP 15 17 7060

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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
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Y	US 3 955 945 A (BAUER HEINZ) 11 May 1976 (1976-05-11) * abstract; claim 1; figure 1 * * column 1, lines 49-53 * * column 3, lines 10-24 * * column 5, lines 1-12 *	1,4-6	
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4

Place of search	Date of completion of the search	Examiner
Munich	24 March 2016	Richmond, Robin
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EP 15 17 7060

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