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(71) Applicant (for all designated States except US): **CARRIER CORPORATION** [US/US]; 1 Carrier Place, Farmington, Connecticut 06034 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **LIFSON, Alexander** [US/US]; 8198 Dycus Circle, Manlius, New York 13104 (US). **TARAS, Michael, F.** [US/US]; 5424 Springview Drive, Fayetteville, New York 13066 (US).

(74) Agent: **FOX, David, A.**; Cantor Colburn LLP, 20 Church Street, 22nd Floor, Hartford, Connecticut 06103 (US).

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(54) Title: BYPASS UNLOADER VALVE FOR COMPRESSOR CAPACITY CONTROL

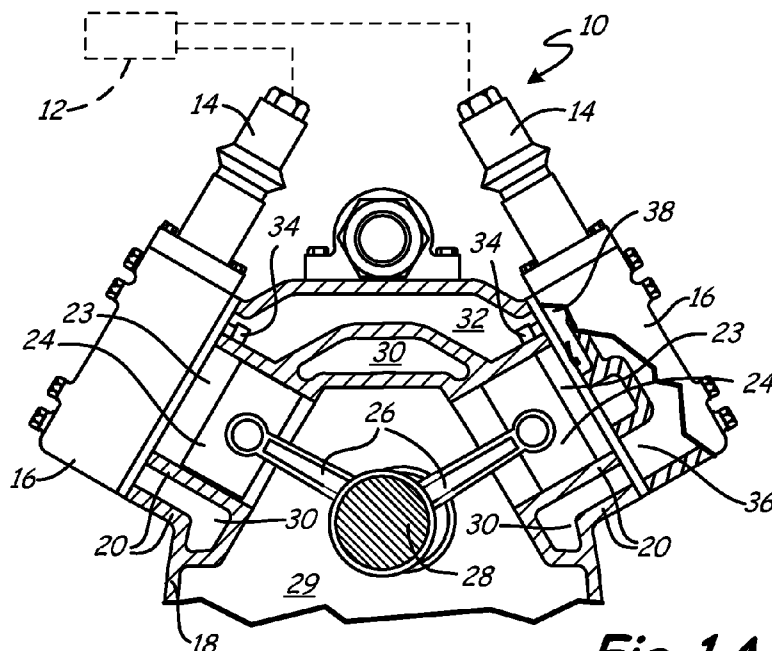


Fig. 1A

(57) Abstract: A reciprocating compressor includes a cylinder block, a cylinder head, and a bypass unloader valve assembly. The cylinder block has a cylinder disposed therein. The cylinder head is secured to the cylinder block overlying the cylinder and has a suction plenum and a discharge plenum in selective fluid communication with the cylinder. The bypass unloader valve assembly is in operable communication with the cylinder head and is responsive to control signals to rapid cycle to allow for fluid communication of a refrigerant between the discharge plenum and the suction plenum.

**Declarations under Rule 4.17:**

- *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))*
- *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))*

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