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(54) **Title**: Reciprocating Refrigeration Compressor

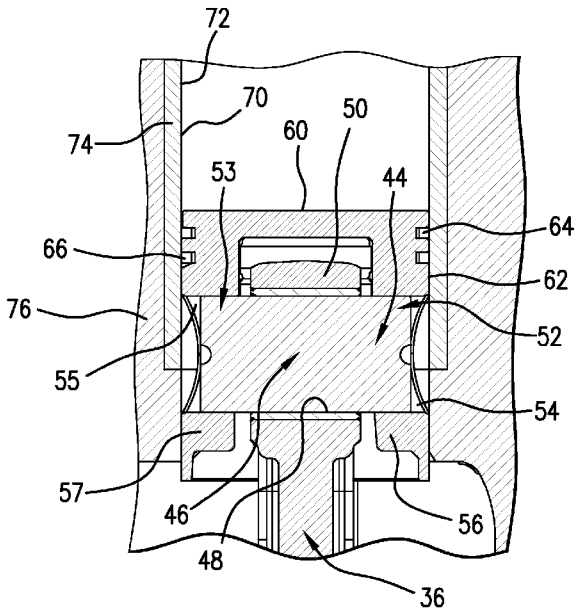


FIG.3

(57) **Abstract**: A compressor (20) has a case (22) and a crankshaft (38). The case has a number of cylinders (30 32). For each of the cylinders, the compressor includes a piston (34) mounted for reciprocal movement at least partially within the cylinder. A connecting rod (36) couples each piston to the crankshaft. A pin (44) couples each connecting rod to the associated piston. Each pin has first (52) and second (53) end portions mounted to first (56) and second (57) receiving portions of the associated piston and a central portion (48) engaging the associated connecting rod. Each of the pistons is formed of a first cast iron. At each of the cylinders, the case is formed of second cast iron. One of the first cast iron and the second cast iron is a Meehanite type cast iron and the other of the first cast iron and the second cast iron is a gray cast iron.

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