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(54) Title: REFRIGERATION COMPRESSOR WITH INTERNAL COOLING SYSTEM

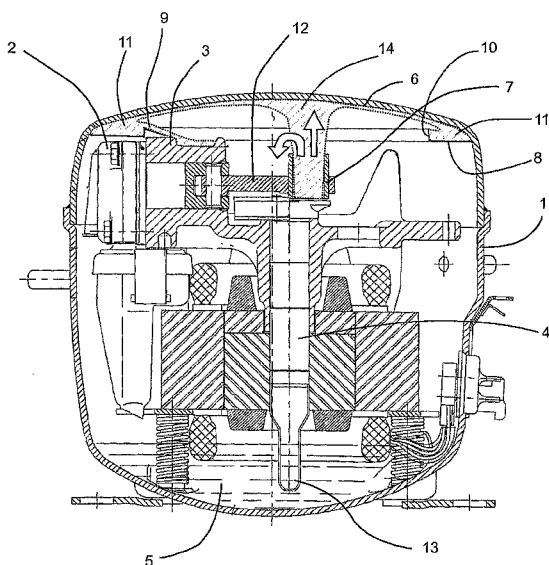


FIG. 2

(57) Abstract: The present invention refers to refrigeration compressor with internal cooling system, the compressor comprising a compressor shell (1), inside of which are disposed a compression cylinder (2, 3), a piston that performs an alternating movement inside the cylinder, an oil accumulation region (5) in the lower part of the compressor shell, and piston drive means having a rotary shaft (4) oriented substantially vertically, with an upper end mounted to a piston drive cam (7). The compressor has means to collect the oil coming from the shaft (4), and expelled by the cam (7), in the upper part of the shell (1). This accumulated oil is drained over the compression cylinder (2, 3), so as to cool it, thus increasing the efficiency of the compressor.