

[54] **ROTARY ENGINE VALVE MEANS**

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[58] Field of Search **418/12, 249; 91/482; 137/625.11, 625.15**

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[57] **ABSTRACT**

This invention provides a valve system for directing charges of pressurized working fluid into the expandable chambers of a rotary engine, for operation against a pivoted power arm associated with each chamber. The valve system includes a manifold for containing a supply of pressurized working fluid, and fluid intake ports associated with each expandable engine chamber. Fluid conduit means associated with each intake port communicate with the manifold, and valve means associated with each port are adapted to open or close the conduit means in a timed sequence. Cut-off means also are provided to stop the flow of working fluid to the engine chambers after the power arm associated with each port has moved through a selected portion of its power stroke. Switching means also may be included to selectively switch the rotary engine between simple and compound modes of operation.

7 Claims, 16 Drawing Figures

