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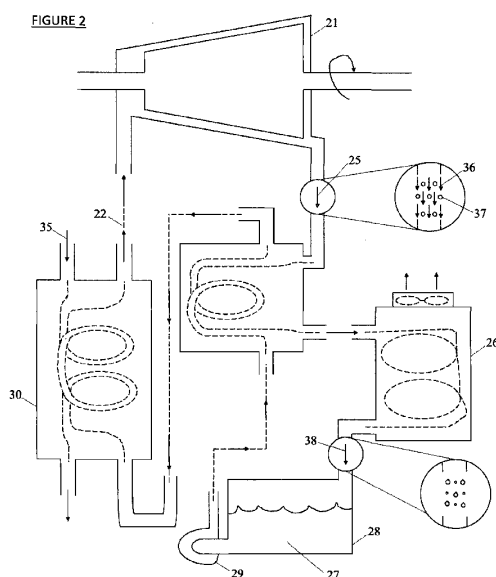
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(54) Title: ENGINE



(57) Abstract: An externally heated thermodynamic engine has a closed working-fluid circuit. The engine has a thermodynamic ex-
pander (21) for extracting work from a vaporised working fluid (22) that is fed to a feed for it. There is also a condenser (26) down-
stream of the expander for condensing expanded vaporised working fluid that is exhausting from the expander. A liquid tank (28) is down-
stream from the condenser, and pump means (29) is located downstream from the liquid tank for pumping out condensed working fluid
(38). Further, there is a means for heating (50) and at least partially vaporising working fluid pumped to it from the pump and feeding
the heated working fluid to the expander. The heating means itself has at least one inlet for the working fluid pumped to it, and at least
one output from which the working fluid is fed to the expander. The engine is adapted and arranged for operation with a working fluid,
with the working fluid itself including at least two different boiling point constituent fluids. The pump means is adapted to pump, from
the liquid tank to the heating means, both the different boiling point constituent fluids in a determined ratio as liquids, whereby, in use,

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on feeding of the working fluid to the expander in at least partially vaporised state the vapour and/or liquid of the higher boiling point liquid releases energy in the expander to the vapour of the lower boiling point constituent fluid for production of work in the expander.