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2643 Moggill Road, Pinjarra Hills, QLD 4069 (AU).

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(74) Agent: GRIFFITH, HACK; GPO Box 3125, Brisbane,
QLD 4001 (AU).

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ZW.(71) Applicant (*for all designated States except US*): COM-
MONWEALTH SCIENTIFIC AND INDUSTRIAL
RESEARCH ORGANISATION [AU/AU]; Limestone
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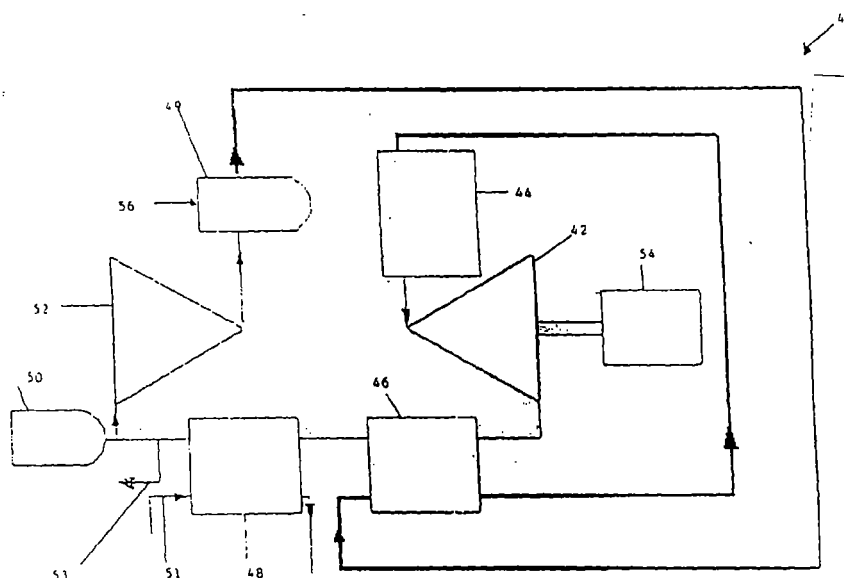
(72) Inventors; and

(75) Inventors/Applicants (*for US only*): WENDT, Michael
[AU/AU]; 2643 Moggil Road, Pinjarra Hills, QLD 4069
(AU). SU, Shi [AU/AU]; 2643 Moggill Road, Pinjarra

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(54) Title: HEAT ENGINES AND ASSOCIATED METHODS OF PRODUCING MECHANICAL ENERGY AND THEIR AP-
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(57) Abstract: A closed cycle gas turbine system (40) comprising system comprising a compressor (52) for producing compressed gas, a gas turbine (42) for receiving the compressed gas, a heat storage means (44) having a first heat transfer means and adapted to receive the compressed gas from the compressor (52) and transmit the compressed gas to the gas turbine (42) and a second heat transfer means (46) for receiving exhaust gas from the gas turbine (42) and transmitting it to the compressor (52) and wherein the second heat transfer means (46) is adapted to transfer at least some heat from the exhaust gas prior to it being transferred to the compressor (52).



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