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(54) Title: INTEGRAL MOLTEN SALT REACTOR

(57) Abstract: The present relates to the integration of the primary func-
tional elements of graphite moderator and reactor vessel and/or primary heat
exchangers and/or control rods into an integral molten salt nuclear reactor
(IMSR). Once the design life of the IMSR is reached, for example, in the
range of 3 to 10 years, it is disconnected, removed and replaced as a unit.
The spent IMSR functions as the medium or long term storage of the radio-
active graphite and/or heat exchangers and/or control rods and/or fuel salt
contained in the vessel of the IMSR.

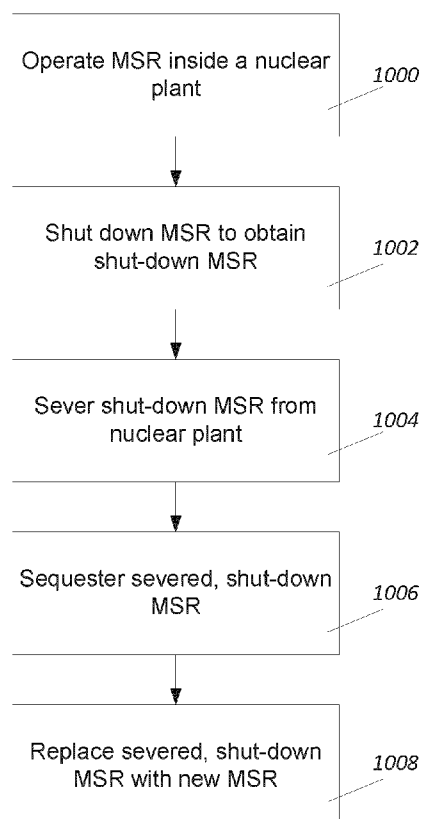


Figure 10



TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

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