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(54) **OIL PURIFIER SYSTEM AND PROCESS**

(57) **ABSTRACT**

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Improved oil reconditioning systems and methods are disclosed. One preferred system provides an oil purifier for an internal combustion engine for separating contaminants in an oil stream from the oil. The system may include a housing, an oil distributor, and a heating element. The housing may enclose a platen having an evaporation surface. The oil distributor may also be located in the housing and may be configured to receive an incoming oil stream. The oil distributor may have a discharge manifold for transforming the oil stream into a mist. The mist may be directed toward, and distributed over, at least a portion of the evaporation surface. The heating element may be in thermal communication with the platen. The evaporation surface may be heated to a temperature sufficient to volatilize the contaminants, resulting in a purified liquid oil which may be collected and reused with the engine.

