

Title (en)
HYDROCARBON VAPOUR RECOVERY SYSTEM HAVING IMPROVED STABILITY

Title (de)
VORRICHTUNG ZUR ENTSORGUNG VON KRAFTSTOFFDÄMPFEN MIT VERBESSERTER LAUFSTABILITÄT

Title (fr)
SYSTEME DE RECUPERATION DE VAPEURS D'HYDROCARBURES A STABILITE AMELIOREE

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Application
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Abstract (en)
[origin: US5878790A] PCT No. PCT/FR96/01031 Sec. 371 Date Mar. 4, 1997 Sec. 102(e) Date Mar. 4, 1997 PCT Filed Jul. 2, 1996 PCT Pub. No. WO97/02208 PCT Pub. Date Jan. 23, 1997A recovery system for recovering hydrocarbon vapor given off by motor vehicle tanks while they are being filled with liquid fuel via at least one dispensing pipe. According to the invention, said recovery system comprises a recovery pipe associated with said dispensing pipe, a power pump placed on said recovery pipe, and a metering pump driven by a motor at an angular velocity that is substantially proportional to the volume flow rate of liquid fuel delivered by the dispensing pipe, said metering pump being mounted in series with said power pump via a differential pressure expander-regulator suitable for maintaining a pressure difference that is small between the outlet and the inlet of the metering pump so as to obtain a vapor volume flow rate that is substantially proportional to the angular velocity imparted by said motor. Application to dispensing liquid fuel.

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