

Title (en)
SOLAR CONDENSATION SYSTEM WITH CASCADE EVAPORATION

Title (de)
SOLARE KONDENSATIONSANLAGE MIT KASKADENVERDUNSTUNG

Title (fr)
INSTALLATION SOLAIRE DE CONDENSATION À ÉVAPORATION EN CASCADE

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Application
EP 09763926 A 20091126

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Abstract (en)
[origin: WO2010063633A1] The invention relates to a method and to a device, in particular operated according to the method, for recovering a processed fluid (9) from a contaminated fluid (6) through evaporation and condensation using heated air as a carrier material. In the process, the air is run through a substantially closed circuit (1) through natural convection, wherein the air is heated in an air collector (2) (solar collector) in order to then pass through a cascade evaporator (4) through which the contaminated fluid (6) flows. After the saturated hot air (7) exits the cascade evaporator (4), the absorbed moisture is released in a subsequent condenser (8). Then, the cooled and dried air is reintroduced into the air collector (2).

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Citation (search report)
See references of WO 2010063633A1

Cited by
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