

Title (en)

SOLAR HEAT POWERED COOLING PLANT

Title (de)

SOLARTHERMISCH BETRIEBENE KÜHLANLAGE

Title (fr)

INSTALLATION REFRIGERANTE FONCTIONNANT A L'ENERGIE SOLAIRE

Publication

**EP 1012512 A1 20000628 (DE)**

Application

**EP 98946314 A 19980811**

Priority

- DE 19735334 A 19970814
- EP 9805081 W 19980811

Abstract (en)

[origin: DE19735334A1] The refrigeration plant has a boiler heated directly or indirectly by solar radiation, a condenser and a mixer for providing a mixture of 2 liquids exhibiting a mixing heat of greater than 500 J/ mol, a difference in their boiling temperatures of at least 20 degrees C and at least one of the components having a boiling temperature above 50 degrees C. ENERGY CONVERSION - The plant provides efficient use of solar energy and can be combined with a solar collector system for water heating. ORGANIC CHEMISTRY - Both liquids which are used may be provided by organic liquids.

IPC 1-7

**F25B 27/00**; F25D 5/00; C09K 5/00

IPC 8 full level

**C09K 5/04** (2006.01); **F25B 27/00** (2006.01); **F25D 5/00** (2006.01)

CPC (source: EP)

**C09K 5/041** (2013.01); **C09K 5/047** (2013.01); **F25B 27/007** (2013.01); **F25D 5/00** (2013.01)

Citation (search report)

See references of WO 9909359A1

Designated contracting state (EPC)

DE ES FR IT

DOCDB simple family (publication)

**DE 19735334 A1 19990218**; **DE 19735334 C2 20000203**; AU 9341198 A 19990308; EP 1012512 A1 20000628; WO 9909359 A1 19990225

DOCDB simple family (application)

**DE 19735334 A 19970814**; AU 9341198 A 19980811; EP 9805081 W 19980811; EP 98946314 A 19980811