

Title (en)

Method for reducing the energy consumption of a steam treatment assembly in batch operation

Title (de)

Verfahren zur Reduzierung des Energieverbrauches einer Dampfbehandlungsanlage im Chargenbetrieb

Title (fr)

Procédé de réduction de la consommation d'énergie d'une installation de traitement à vapeur dans le fonctionnement en charge

Publication

EP 2067934 A3 20110601 (DE)

Application

EP 08016603 A 20080920

Priority

DE 102007046854 A 20070928

Abstract (en)

[origin: DE102007046854B3] The method involves providing several energy storages at different temperature levels. Energy stored in water is supplied with steam and a treatment chamber is heated with steam in a lowering phase. Rising and lowering phases assigned to the respective energy storages are selected such that equilibrium is developed between energy extraction and energy recovery, and the energy storage is oscillated to an energy area, which lies between the temperature pressure level of associated sections of the increasing phase and the lowering phase.

IPC 8 full level

F01K 1/12 (2006.01)

CPC (source: EP)

F01K 1/12 (2013.01); **F01K 3/12** (2013.01)

Citation (search report)

- [A] EP 1300630 A1 20030409 - TIYODA SEISAKUSHO KK [JP], et al
- [A] DE 478519 C 19290627 - SIEMENS AG
- [A] DE 4312474 C1 19941117 - STIEFENHOFER GMBH C [DE]
- [A] DE 19838180 A1 20000217 - BHT HYGIENE TECHNIK GMBH [DE]

Cited by

JP2017502249A

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

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