

Title (en)
Steam utilisation plant

Title (de)
Dampfnutzungsanlage

Title (fr)
Dispositif à utilisation de vapeur

Publication
EP 2554805 A3 20140730 (DE)

Application
EP 12401150 A 20120711

Priority
DE 102011052430 A 20110805

Abstract (en)
[origin: EP2554805A2] The plant (1) has a cylinder-shaped overflow mixing device (7) connected with a liquid line (6) or liquid reservoir (9) of a steam generator (2) via a liquid inlet (8) for supplying liquid into the overflow mixing device. The mixing device is connected with an overpressure steam line that contains an overflow valve (5), and is connected with an energy recycling device (12) via a liquid outlet (11). Mixture of steam with the liquid flowing through a mixing chamber (13) is provided in the mixing chamber, where the steam flows through the valve. The mixing device is thermally insulated.

IPC 8 full level
F01K 3/26 (2006.01); **F01K 21/04** (2006.01)

CPC (source: EP)
F01K 3/267 (2013.01); **F01K 21/04** (2013.01)

Citation (search report)

- [A] US 2003072403 A1 20030417 - DAGARD PHILIPPE [FR]
- [A] US 4687626 A 19870818 - TONG LONG S [US]
- [A] DE 3016777 A1 19811105 - HITACHI LTD [JP]
- [A] US 2010322368 A1 20101223 - SRINIVASAN SEENU J [US], et al
- [A] BE 650392 A 19641103

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 2554805 A2 20130206; EP 2554805 A3 20140730; EP 2554805 B1 20160608; DE 102011052430 A1 20130207;
DE 102011052430 B4 20131024

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EP 12401150 A 20120711; DE 102011052430 A 20110805