

Title (en)
HEAT RECOVERY STEAM GENERATOR WITH MASS FLOW ADAPTION

Title (de)
WÄRMERÜCKGEWINNUNGSDAMPFERZEUGER MIT MASSENSTROMANPASSUNG

Title (fr)
GÉNÉRATEUR DE VAPEUR À RÉCUPÉRATION DE CHALEUR AVEC ADAPTATION DU DÉBIT MASSIQUE

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Application
EP 20202208 A 20201016

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Abstract (en)
The present invention relates to a device (100) for heat recovery of a thermal system (300). The device (100) comprises a feeding line (106) through which a first fluid (107) of the thermal system (300) is streamable, wherein the first fluid (107) streams along a first streaming direction, a first thermal unit (101) for transforming a state of a second fluid (105) by thermal energy from the first fluid (107) and a second thermal unit (102) which is arranged adjacent to the first thermal unit (101) with respect to the first streaming direction of the first fluid. The second thermal unit (102) is configured for receiving the second fluid (105), wherein the second thermal unit (102) is adapted for transforming a further state of the second fluid (105) by thermal energy from the first fluid (107) and wherein the first thermal unit (101) and/or the second thermal unit (102) are installed at least partially in a thermal transfer section (108) in the feeding line (106). In the thermal transfer section (108) thermal energy is transferrable from the first fluid (107) to the second fluid (105). The device (100) further comprises a bleed section (110) coupled to the feeding line (106) at the thermal transfer section (108) for bleeding off a part of the first fluid (107) out of the feeding line (106).

IPC 8 full level
F01K 3/18 (2006.01)

CPC (source: EP)
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Citation (search report)

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