

## Title (en)

MULTI-PROCESS DETACHABLE HEAT EXCHANGER AND DEDICATED HEAT EXCHANGE PLATE THEREOF

## Title (de)

ABKOPPELBARER MULTIPROZESS-WÄRMETAUSCHER UND DEDIZIERTE WÄRMETAUSCHERPLATTE DAFÜR

## Title (fr)

ÉCHANGEUR DE CHALEUR DÉTACHABLE MULTI-PROCESSUS ET PLAQUE D'ÉCHANGE DE CHALEUR DÉDIÉE ASSOCIÉE

## Publication

**EP 3492854 A4 20200729 (EN)**

## Application

**EP 17833477 A 20170720**

## Priority

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- CN 2017093650 W 20170720

## Abstract (en)

[origin: EP3492854A1] The disclosure relates to a multi-pass removable plate heat exchanger without a need of arranging interfaces or connections on a mobile pressure plate, and a specific heat transfer plate therefor. The heat transfer plate has a plurality of lateral regions, where a plurality of mutually communicative lateral-pass partitions or mutually isolated pass partitions are formed with specially shaped gaskets. With such kind of heat transfer plates, a multi-pass removable plate heat exchanger without a need of arranging interfaces or nozzles on the mobile pressure plate may be constructed. The disclosure further relates to a specially shaped gasket to allow construction of a multi-pass removable plate heat exchanger without a need of arranging interfaces or nozzles on the mobile pressure plate. The multi-pass removable plate heat exchanger comprises a fixed pressure plate, a mobile pressure plate, and a plate pack where a plurality of the heat transfer plates configured with corresponding gaskets are assembled to form alternating cold and hot fluid flow channels.

## IPC 8 full level

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- [X] US 2015233650 A1 20150820 - BLOMGREN RALF [SE]
- See references of WO 2018019174A1

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