

Title (en)
SHAPE OPTIMIZED HEADERS AND METHODS OF MANUFACTURE THEREOF

Title (de)
FORMOPTIMIERTE KOPFTEILE UND HERSTELLUNGSVERFAHREN DAFÜR

Title (fr)
COLLECTEURS DE FORME OPTIMISÉE ET LEURS PROCÉDÉS DE FABRICATION

Publication
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Application
EP 11813847 A 20111221

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Abstract (en)
[origin: WO2013095424A1] Disclosed herein is a shape optimized header (200) comprising a shell (202) that is operative for collecting a fluid; wherein an internal diameter and/or a wall thickness of the shell vary with a change in pressure and/or a change in a fluid flow rate in the shell (202); and tubes (204); wherein the tubes (204) are in communication with the shell (202) and are operative to transfer fluid into the shell (202). Disclosed herein is a method comprising fixedly attaching tubes to a shell; wherein the shell is operative for collecting a fluid; wherein an internal diameter and/or a wall thickness of the shell vary with a change in pressure and/or a change in a fluid flow rate in the shell; and wherein the tubes are in communication with the shell and are operative to transfer fluid into the shell.

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Citation (search report)
See references of WO 2013095424A1

Citation (examination)
• CH 156669 A 19320815 - KOHLER CONRAD [CH]
• DE 3310236 A1 19840927 - AUTOKUEHLER GES MBH [DE]
• HANS JUNG: "Über die Berechnung von Druck-Hohlkörpern", CHEMIE-INGENIEUR-TECHNIK, vol. 32, no. 12, 1 December 1960 (1960-12-01), pages 816 - 819, XP055525501

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