

Title (en)
COLUMN FOR THERMALLY TREATING FLUID MIXTURES, PARTICULARLY THOSE THAT CONTAIN (METH)ACRYLIC MONOMERS

Title (de)
KOLONNE ZUR THERMISCHEN BEHANDLUNG VON FLUIDEN GEMISCHEN, INSBESONDERE SOLCHEN, DIE (METH)ACRYLMONOMERE ENTHALTEN

Title (fr)
COLONNE DE TRAITEMENT THERMIQUE DE MÉLANGES FLUIDES, CONTENANT NOTAMMENT DES MONOMÈRES (MÉTH)ACRYLIQUES

Publication
EP 3325121 A1 20180530 (DE)

Application
EP 16736065 A 20160705

Priority
• US 201562193609 P 20150717
• DE 102015213490 A 20150717
• EP 2016065763 W 20160705

Abstract (en)
[origin: US2017014729A1] The present invention relates to a column (1) for thermal treatment of fluid mixtures, having a cylindrical, vertical column body (2) which forms a column cavity (3) and a vertical inner surface (16), a plurality of trays (8) mounted in the column cavity (3) and spaced apart vertically from one another, at least one stub (11) disposed within the column body (2) and extending away from the column body (2), and a closable inspection orifice (9) formed in the stub (11). The characteristic feature of the column of the invention is that in the case of a vertical cross section of the column (1) the surface (15) of the lower line of intersection of the stub (11) directed into the column cavity (3) or a tangent to the surface (15) of the lower line of intersection of the stub (11) at least in sections forms an angle within a range from 210° to 267° with the vertical inner surface (16) of the column body (2) which extends downward from the stub (11).

IPC 8 full level
B01D 3/32 (2006.01)

CPC (source: EP US)
B01D 3/26 (2013.01 - US); **B01D 3/32** (2013.01 - EP US); **B01D 3/324** (2013.01 - EP US); **C07C 45/80** (2013.01 - US); **C07C 51/44** (2013.01 - EP US); **C07C 51/48** (2013.01 - US)

Citation (search report)
See references of WO 2017012853A1

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)
DE 102015213490 A1 20160915; BR 112018000792 A2 20180904; CN 107847810 A 20180327; EP 3325121 A1 20180530; US 2017014729 A1 20170119; WO 2017012853 A1 20170126

DOCDB simple family (application)
DE 102015213490 A 20150717; BR 112018000792 A 20160705; CN 201680042125 A 20160705; EP 16736065 A 20160705; EP 2016065763 W 20160705; US 201615210194 A 20160714