

Title (en)

PROCESS AND DEVICE FOR DISTILLING POLYMERIZATION-PRONE COMPOUNDS

Title (de)

VERFAHREN UND VORRICHTUNG ZUR DESTILLATION VON ZUR POLYMERISATION NEIGENDEN VERBINDUNGEN

Title (fr)

PROCÉDÉ ET DISPOSITIF POUR LA DISTILLATION DE COMPOSÉS SUJETS À LA POLYMÉRISATION

Publication

EP 2544784 A2 20130116 (DE)

Application

EP 11703131 A 20110128

Priority

- DE 102010010997 A 20100310
- EP 2011000384 W 20110128

Abstract (en)

[origin: WO2011110257A2] In a process for distilling polymerization-prone compounds from liquid mixtures of matter which, apart from the readily polymerizable compound, also contain other components and also polymerization inhibitors, the evaporator is operated in forced circulation and at a pressure which makes possible superheating of the liquid with respect to its boiling point at the pressure within the distillation column. This is achieved by transporting the superheated liquid against a flow restrictor, e.g. an orifice plate. The liquid which is expanded and partially evaporated on passage through the flow restrictor is returned to the distillation column. In this manner the formation of an open vapour space in the evaporator circuit after heating downstream of the heat exchanger is avoided in that, in the design of the evaporator of the prior art, formation of polymer deposits frequently occurs.

IPC 8 full level

B01D 3/32 (2006.01); **C07C 51/44** (2006.01)

CPC (source: EP US)

B01D 3/00 (2013.01 - US); **B01D 3/322** (2013.01 - EP US); **C07C 51/44** (2013.01 - EP US); **C07C 51/50** (2013.01 - EP US)

Citation (search report)

See references of WO 2011110257A2

Citation (examination)

DE 19539295 A1 19970424 - BASF AG [DE]

Cited by

US10247586B2

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DOCDB simple family (publication)

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