

Title (en)

METHODS FOR PRODUCING VINYL ACETATE

Title (de)

VERFAHREN ZUR HERSTELLUNG VON VINYLACETAT

Title (fr)

PROCÉDÉ DE PRODUCTION D'ACÉTATE DE VINYLE

Publication

EP 2978737 A2 20160203 (DE)

Application

EP 14714653 A 20140326

Priority

- DE 102013205492 A 20130327
- EP 2014056067 W 20140326

Abstract (en)

[origin: WO2014154751A2] The invention relates to methods for producing vinyl acetate by means of the heterogeneous, catalyzed, continuous gas-phase reaction of ethylene, acetic acid, and oxygen in a reactor, released process heat being removed from the reactor by means of heat exchange to water and thereby own steam being formed, and the separation of the product mixture leaving the reactor, which product mixture contains ethylene, vinyl acetate, acetic acid, water, carbon dioxide, and inert gases, by means of distillation by using one or more azeotropic columns and/or one or more pure distillation columns, characterized in that at least one azeotropic column and/or at least one pure distillation column contains filling bodies and the own steam is at least partially utilized to supply energy in one or more thus equipped azeotropic columns and/or pure distillation columns.

IPC 8 full level

C07C 67/05 (2006.01); **C07C 67/54** (2006.01)

CPC (source: EP US)

C07C 67/05 (2013.01 - EP US); **C07C 67/54** (2013.01 - EP US)

Citation (search report)

See references of WO 2014154751A2

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 102013205492 A1 20141002; CN 105102416 A 20151125; EP 2978737 A2 20160203; US 2016046557 A1 20160218; WO 2014154751 A2 20141002; WO 2014154751 A3 20141218

DOCDB simple family (application)

DE 102013205492 A 20130327; CN 201480018620 A 20140326; EP 14714653 A 20140326; EP 2014056067 W 20140326; US 201414780364 A 20140326