

Title (en)  
CONTINUOUS METHOD FOR OBTAINING 2-ETHYLHEXYL ACRYLATE

Title (de)  
KONTINUIERLICHES VERFAHREN ZUR GEWINNUNG VON 2-ETHYLHEXYLACRYLAT

Title (fr)  
PROCÉDÉ CONTINU DE PRODUCTION D'ACRYLATE DE 2-ÉTHYLHEXYLE

Publication  
**EP 4281434 A1 20231129 (DE)**

Application  
**EP 22702653 A 20220124**

Priority  
• EP 21153162 A 20210125  
• EP 2022051516 W 20220124

Abstract (en)  
[origin: WO2022157370A1] The present invention relates to a continuous method for obtaining 2-ethylhexyl acrylate (2-EHA) from a liquid mixture (1) under an absolute pressure in the range from 0.5 to 100 bar which has a temperature in the range from 0 to 300°C, comprising 2-EHA, at least one high boiler, at least one homogeneous catalyst and at least one low boiler, wherein the mixture (1) is expanded via a pressurizer (3) to an absolute pressure level in the range from 0.1 to 10 bar, the two-phase gas/liquid mixture (16) thereby obtained is continuously supplied to a spiral tube evaporator (4) and there, at a temperature in the range from 50 to 300°C, the 2-EHA content of the liquid phase of the two-phase gas/liquid mixture is reduced by partial evaporation, and the 2-EHA content of the gaseous phase of the two-phase gas/liquid mixture is accordingly increased and both phases are discharged in the form of a resulting two-phase gas/liquid output stream (17).

IPC 8 full level  
**C07C 67/54** (2006.01); **C07C 69/54** (2006.01)

CPC (source: EP KR US)  
**B01D 1/0088** (2013.01 - US); **C07C 67/54** (2013.01 - EP KR); **C07C 69/54** (2013.01 - KR US)

C-Set (source: EP)  
**C07C 67/54** + **C07C 69/54**

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

Designated validation state (EPC)  
KH MA MD TN

DOCDB simple family (publication)  
**WO 2022157370 A1 20220728**; CA 3209230 A1 20220728; CN 116867763 A 20231010; EP 4281434 A1 20231129; JP 2024505499 A 20240206; KR 20230132858 A 20230918; US 2024067596 A1 20240229

DOCDB simple family (application)  
**EP 2022051516 W 20220124**; CA 3209230 A 20220124; CN 202280011348 A 20220124; EP 22702653 A 20220124; JP 2023544740 A 20220124; KR 20237028746 A 20220124; US 202218273790 A 20220124