

Title (en)
CONTINUOUS METHOD FOR PREPARING ETHYL LACTATE

Title (de)
KONTINUIERLICHES VERFAHREN ZUR HERSTELLUNG VON ETHYLLACTAT

Title (fr)
PROCEDE CONTINU DE PREPARATION DE LACTATE D ETHYLE

Publication
EP 1581473 A2 20051005 (FR)

Application
EP 03796170 A 20031205

Priority
• FR 0303599 W 20031205
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Abstract (en)
[origin: FR2848208A1] Continuous production of ethyl lactate by esterifying lactic acid with ethanol comprises continuously removing a near-azeotropic water-ethanol gas mixture, drying the mixture with a molecular sieve to produce a gaseous ethanol stream, water-ethanol stream and a water-ethanol azeotrope which is injected into the top of the distillation column; and continuously withdrawing crude ethyl lactate and purifying it. Continuous production of ethyl lactate by esterifying lactic acid with ethanol in an initial ethanol/lactic acid molar ratio of at least 2.5 in the presence of a catalyst at reflux temperature of 100 degrees C and an absolute pressure of 1.5-3 bar comprises continuously removing a near-azeotropic water-ethanol gas mixture, drying the mixture with a molecular sieve to produce a gaseous ethanol stream (which can be recycled to the esterification reaction mixture) and a water-ethanol stream which is distilled to obtain water and a water-ethanol azeotrope which is injected into the top of the distillation column; and continuously withdrawing crude ethyl lactate and purifying it.

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