

Title (en)
CONDENSATION AND WASHING DEVICE, POLYMERISATION DEVICE AND METHOD FOR CLEANING PROCESS STEAM DURING THE PRODUCTION OF POLYLACTIDE

Title (de)
KONDENSATIONS- UND WASCHVORRICHTUNG, POLYMERISATIONSVORRICHTUNG SOWIE VERFAHREN ZUR REINIGUNG VON PROZESSDÄMPFEN BEI DER POLYLACTIDHERSTELLUNG

Title (fr)
DISPOSITIF DE CONDENSATION ET DE LAVAGE, DISPOSITIF DE POLYMERISATION ET PROCÉDÉ POUR PURIFIER DES VAPEURS INDUSTRIELLES LORS DE LA PRODUCTION DE POLYLACTIDE

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Application
EP 08785357 A 20080805

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• EP 07017233 A 20070903
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Abstract (en)
[origin: EP2030667A1] Condensation and washing device (1), comprises: (a) a sump container (2) containing a condensation- and a washing liquid (3); (b) at least one column (6) that is attached to the sump container, where the column exhibits at least a material exchange packing (7); (c) at least an inlet (8) for process vapor, which is arranged under the material exchange packing of the column; and (d) at least one outlet arranged above the material exchange packing of the column for process vapor. Condensation and washing device (1), comprises: (a) a sump container (2) containing a condensation- and a washing liquid (3), where the sump container exhibits at least a drain conduit (5); (b) at least one column (6) that is attached to the sump container, where the column exhibits at least a material exchange packing (7) that is at least partly filling the cross section of the column; (c) at least an inlet (8) for process vapor, which is arranged under the material exchange packing of the column; and (d) at least one outlet arranged above the material exchange packing of the column for process vapor, where the drain conduit of the sump container is connected with the column for the circulation of the condensation and washing liquid over a pipe line (10) and the entrance of the pipe line is arranged above the material exchange packing in the column. Independent claims are included for: (1) a polymerization device for the polymerization of a biodegradable, intermolecular cyclic diesters of an alpha hydroxy carboxylic acid of formula (II), comprising the condensation device; and (2) a procedure for the condensation and/or washing of a vaporous biodegradable, intermolecular cyclic diesters of an alpha hydroxy carboxylic acid (II), from a vapor mixture containing the diester (II), the alpha hydroxy acid of formula (I) corresponding to diester (II) and water comprising contacting a stream of a condensation and a washing liquid containing an aqueous solution of (I) corresponding to (II) with the vapor mixture, where the diester (II) containing in the vapor mixture is dissolved in the condensation and washing liquid. R, R 1> : hydrogen or linear or branched 1-6C aliphatic residues. [Image].

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