

Title (en)

IMPROVED DISTILLATIVE SEPARATION PROCESS BY STEAMING FOR MIXTURES OF MULTIPLE SUBSTANCES

Title (de)

VERBESSERTES VERFAHREN ZUR DESTILLATIVEN TRENNUNG VON MEHRSTOFFGEMISCHEN DURCH DÄMPFEN

Title (fr)

PROCEDE AMELIORE DE SEPARATION PAR DISTILLATION DE MELANGES DE SUBSTANCES MULTIPLES FAISANT APPEL A UNE VAPORISATION

Publication

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Application

EP 94909073 A 19940225

Priority

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Abstract (en)

[origin: CA2157660A1] The present invention relates to a process for intensifying and/or accelerating the distillation-based separation of multicomponent mixtures using a stream of steam to facilitate the removal of steam-volatile components of the starting material ("streaming"), characterized in that a starting material which is liquid under the treatment conditions is steamed in finely sprayed form. The process is preferably carried out with superheated steam under the working pressure which, more particularly, is at least partly used as a propellant gas for spraying the liquid phases to be purified. The material to be processed is best sprayed in multicomponent spray nozzles using this propellant gas. The process according to the invention may be used for a broad range of applications by adaptation of its parameters, more particularly the working temperature and pressure.

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