

Title (en)

MICROWAVE-BASED METHOD AND DEVICE FOR PRODUCING HIGH-PURITY LIQUIDS

Title (de)

MIKROWELLEN-BASIERTES VERFAHREN UND VORRICHTUNG ZUM HERSTELLEN HOCHREINER FLÜSSIGKEITEN

Title (fr)

PROCÉDÉ BASÉ SUR LES MICRO-ONDES ET DISPOSITIF POUR LA PRODUCTION DE LIQUIDES DE HAUTE PURETÉ

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Application

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Abstract (en)

[origin: WO2012059321A1] The invention relates to a method for producing high-purity liquids by means of distillation, particularly liquid chemicals, said method having the following steps: supplying a liquid to be purified (1) from a reservoir (41) to a sample container (3) arranged in a sample chamber (4); heating and evaporating the uppermost layers of the liquid to be purified (1); condensing the sample vapour (18) obtained from the liquid to the purified (1) in a condensation device (70) outside the sample chamber (4); and collecting the distillate (76) in a collection container (77) which is connected to the reservoir (41) by means of a return conduit (80) for the non-condensed sample vapour (18), and which forms a chamber, sealed off from the surroundings, between the chamber above the surface (14) of the liquid to be purified (1) in the sample chamber (4), and the reservoir (41).

IPC 8 full level

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