

Title (en)

IMPROVED AND MORE GENTLE PROCESS FOR EXTRACTING USEFUL SUBSTANCES FROM GRAPES, GRAPE MUST EXTRACTED THEREFROM AND WINE PRODUCED THEREFROM, AS WELL AS DEVICE FOR CARRYING OUT ELECTROPORATION

Title (de)

VERFAHREN ZUR BESSEREN UND SCHONENDEN FREISETZUNG WERTGEBENDER INHALTSSTOFFE AUS WEINBEEREN, EIN DARAUS GEWONNENER MOST SOWIE DARAUS ERZEUGTER WEIN UND EINE EINRICHTUNG ZUR DURCHFÜHRUNG DER ELEKTROPORATION

Title (fr)

PROCEDE PERMETTANT D EXTRAIRE MIEUX ET PLUS DOUCEMENT LES SUBSTANCES UTILES CONTENUES DANS DES RAISINS, MOUT AINSI OBTENU, NIN AINSI PRODUIT ET DISPOSITIF D ELECTROPORATION

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2005093037A1] An improved and more gentle process for extracting useful substances from wine grapes is achieved by electroporation of the must produced from red and/or white grapes. The must is pumped or circulated before the pressing applied for must production through an installation or part of an installation and pulsed electric fields are applied therein to irreversibly rupture the biological cell walls of the grape skins. The device for carrying out must electroporation comprises a dielectric pipe, the flow duct for the must, in whose wall are arranged two mutually spaced electrodes to form a pulsed electric field between the electrodes. The must, which forms the electrolytic load of the device, has an electric resistance at least as high as the impedance of a high-voltage pulse generator connected to the device.

IPC 8 full level

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CPC (source: EP US)

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