

Title (en)
NOVEL METHOD FOR CONTINUOUSLY PRODUCING METHACRYLIC ACID BY CATALYTICALLY HYDROLYZING METHYL METHACRYLATE

Title (de)
NEUES VERFAHREN ZUR KONTINUIERLICHEN HERSTELLUNG VON METHACRYLSÄURE DURCH KATALYTISCHE HYDROLYSE VON METHYLMETHACRYLAT

Title (fr)
NOUVEAU PROCÉDÉ DE PRODUCTION EN CONTINU D'ACIDE MÉTHACRYLIQUE PAR HYDROLYSE CATALYTIQUE DE MÉTHACRYLATE DE MÉTHYLE

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Application
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Abstract (en)
[origin: WO2022194590A1] The invention relates to a continuous method for producing methacrylic acid by catalytically hydrolyzing methyl methacrylate, which has been produced on the basis of C-2, C-3, or C-4 raw materials. In the process, methyl methacrylate with a high degree of purity is reacted with water in the presence of a Brönstedt catalyzer in order to form a reaction mixture containing reactants and products and is processed in a distillation column, at the head of which a condensate containing an azeotrope of MMA with methanol is generated, in the central part of which a vapor condensate is generated which contains methacrylic acid with a high degree of purity, and in the sump of which a material mixture is accumulated which contains byproducts with a high boiling temperature and little methacrylic acid.

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