

Title (en)
PROCESS FOR THE PREPARATION OF 5-HYDROXYMETHYLFURFURAL (HMF)

Title (de)
VERFAHREN ZUR HERSTELLUNG VON 5-HYDROXYMETHYLFURFURAL (HMF)

Title (fr)
PROCÉDÉ DE PRODUCTION DE 5-HYDROXYMETHYLFURFURAL (HMF)

Publication
EP 3008048 A4 20161214 (DE)

Application
EP 14810780 A 20140611

Priority
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Abstract (en)
[origin: CA2914308A1] A process is described for the preparation of 5-hydroxymethylfurfural (HMF), which comprises the following steps: provision or preparation of a starting mixture, comprising one, two or more starting compounds selected from the group consisting of hexoses, oligosaccharides comprising hexose units, and polysaccharides comprising hexose units, one, two or more organic salts with a melting point < 180°C and a boiling point > 200°C at 1013.25 hPa, optionally additionally one or more catalysts for the conversion of the one starting compound or at least one of the two or more starting compounds to 5-hydroxymethylfurfural (HMF), optionally water, optionally further substances, adjustment of reaction conditions such that an amount of the starting compound or starting compounds converts to HMF.

IPC 8 full level
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Citation (search report)
• [AD] CN 102399203 A 20120404 - UNIV ZHEJIANG
• [AD] ZUONJUN WI ET AL: "Entrainer-intensified vacuum reactive distillation process for the separation of 5-hydroxymethylfurfural from the dehydration of carbohydrates catalyzed by a metal salt-ionic liquid", GREEN CHEMISTRY, vol. 14, 7 March 2012 (2012-03-07), pages 1220 - 1226, XP002712463
• See references of WO 2014199306A2

Designated contracting state (EPC)
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