

Title (en)

PURIFICATION OF 3-HYDROXYPROPIONIC ACID FROM CRUDE CELL BROTH AND DEHYDRATION TO ACRYLIC ACID

Title (de)

REINIGUNG VON 3-HYDROXYPROPIONSÄURE AUS ROHER ZELLBOUILLON UND DEHYDRIERUNG ZU ACRYLSÄURE

Title (fr)

PURIFICATION DE L'ACIDE 3-HYDROXYPROPIONIQUE À PARTIR D'UN BOUILLON DE CULTURE CELLULAIRE BRUT ET DÉSHYDRATATION EN ACIDE ACRYLIQUE

Publication

EP 2864282 A1 20150429 (EN)

Application

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Abstract (en)

[origin: WO2013192451A1] A process for converting 3-hydroxypropionic acid (3-HP) to acrylic acid is described. This process involves vaporizing an aqueous 3-HP solution, and contacting the 3-HP/water vapor with a catalyst or an inert surface area in a fixed bed reactor at a controlled temperature range, thereby converting the 3-HP to acrylic acid.

IPC 8 full level

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CPC (source: EP)

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