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14381

Patent(s) Issued

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Available Technologies

Acrylic Acid from 3-Hydroxypropionic Acid

SUMMARY

3-hydroxypropionic acid is readily converted to acrylic acid by conversion to the acid salt followed by treatment with a solid oxide dehydration catalyst such as titania or alumina.

Further, conversion of 3-hydroxypropionic acid to the ammonium salt followed by dehydration leads to acylamide.

Excellent conversion and selectivity are observed in lab-scale flow reactors run continuously for several days.



Patents & Intellectual Property

» Patent #: 7,687,661

Technology Portfolio(s)

» Chemical Processing and Catalysis

Potential Industry Applications

» Chemicals

Eric C. Lund
Pacific Northwest National Laboratory
(509) 375-3764
eric.lund@pnnl.gov
<http://availabletechnologies.pnnl.gov>



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