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Available Technologies

Hydrogenation of Glutamic Acid to Pyroglutaminol and Prolinol

SUMMARY

Glutamic acid is a ready platform for conversion to value added products. Among those are pyroglutaminol and prolinol.

Thus, heating glutamic acid is known to readily generate pyroglutamic acid. However, previously unknown is that pyroglutamic acid may be hydrogenated to pyroglutaminol, which if desired, may be further treated to afford prolinol.

Patents & Intellectual Property

» Patent #: 7,049,446

Technology Portfolio(s)

» Renewables

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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