

Title (en)

PROCESS FOR THE SELECTIVE HYDROGENATION OF FATTY ACID DERIVATIVES AND SELECTIVELY HYDROGENATED FATTY ACID DERIVATIVES

Publication

EP 0063427 B1 19851002 (EN)

Application

EP 82301663 A 19820330

Priority

NL 8101637 A 19810402

Abstract (en)

[origin: EP0063427A2] A process for selectively hydrogenating a fatty acid derivative, such as a triglyceride fat or oil, having fatty acid moieties containing more than two double bonds as well as fatty acid moieties containing two double bonds comprises catalytic hydrogenation in the presence of at least 1.8 mol of ammonia per litre of fatty acid derivative. The high level of ammonia present allows increased selectivity to occur such that the fatty acid moieties containing more than two double bonds are highly selectively hydrogenated to moieties containing a two double bonds. Depending on the catalyst and derivative employed SII values of at least 10 and trans-isomerisation of less than 5 mol% can be derived.

IPC 1-7

C11C 3/12; **A23D 3/00**; **A23D 5/00**

IPC 8 full level

B01J 23/00 (2006.01); **C11C 3/12** (2006.01)

CPC (source: EP)

C11C 3/126 (2013.01)

Cited by

US8946490B2; EP2382294B1

Designated contracting state (EPC)

AT BE CH DE FR GB IT LI NL SE

DOCDB simple family (publication)

EP 0063427 A2 19821027; **EP 0063427 A3 19830810**; **EP 0063427 B1 19851002**; AT E15912 T1 19851015; AU 553083 B2 19860703; AU 8216382 A 19821007; CA 1162563 A 19840221; DE 3266624 D1 19851107; DK 149982 A 19821003; ES 511078 A0 19830201; ES 8303276 A1 19830201; FI 821126 A0 19820331; FI 821126 L 19821003; JP S57177099 A 19821030; NL 8101637 A 19821101; NO 153654 B 19860120; NO 153654 C 19860507; NO 821104 L 19821004; PT 74688 A 19820501; PT 74688 B 19850108; ZA 822261 B 19831130

DOCDB simple family (application)

EP 82301663 A 19820330; AT 82301663 T 19820330; AU 8216382 A 19820330; CA 400095 A 19820331; DE 3266624 T 19820330; DK 149982 A 19820401; ES 511078 A 19820401; FI 821126 A 19820331; JP 5474382 A 19820401; NL 8101637 A 19810402; NO 821104 A 19820401; PT 7468882 A 19820401; ZA 822261 A 19820401