

Title (en)
PROCESS FOR THE PRODUCTION OF FATTY ACID NITRILES AND GLYCERINE FROM GLYCERIDES, IN PARTICULAR FROM NATURAL FATS AND/OR OILS

Publication
EP 0000916 B1 19810520 (DE)

Application
EP 78100666 A 19780816

Priority
• DE 2737607 A 19770820
• DE 2813204 A 19780325

Abstract (en)
[origin: ES472553A1] Glycerol and aliphatic nitriles are simultaneously produced by treating liquid glycerides with gaseous ammonia at a rate of at least 200 liters of ammonia per kilogram of glyceride per hour at temperatures of from 220 DEG to 300 DEG C. in the presence of metal salts of carboxylic or sulfonic acids as catalysts and subjecting the product mixture to a phase separation into a nitrile phase and a glycerol/water phase. Preferred starting materials are vegetable and animal fats and oils.

IPC 1-7
C07C 120/08; C07C 31/22; C07C 121/14

IPC 8 full level
B01J 31/00 (2006.01); **B01J 31/02** (2006.01); **B01J 31/04** (2006.01); **C07C 29/00** (2006.01); **C07B 61/00** (2006.01); **C07C 27/00** (2006.01); **C07C 31/22** (2006.01); **C07C 67/00** (2006.01); **C07C 253/00** (2006.01); **C07C 253/22** (2006.01); **C07C 255/03** (2006.01); **C07C 255/06** (2006.01); **C07C 255/11** (2006.01); **C07C 255/15** (2006.01); **C11B 3/00** (2006.01); **C11C 1/00** (2006.01)

IPC 8 main group level
C07C (2006.01); **C11C** (2006.01)

CPC (source: EP US)
C07C 31/225 (2013.01 - EP US); **C07C 253/22** (2013.01 - EP US)

C-Set (source: EP US)
C07C 253/22 + C07C 255/03

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EP0072401A1; EP0273173A3

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EP 0000916 A1 19790307; EP 0000916 B1 19810520; AR 218080 A1 19800515; AT 359991 B 19801210; AT A600778 A 19800515; AU 3907678 A 19800221; AU 519437 B2 19811203; BG 33734 A3 19830415; BR 7805331 A 19790424; CA 1135722 A 19821116; CS 202509 B2 19810130; DD 138311 A5 19791024; DE 2860715 D1 19810827; DK 159064 B 19900827; DK 159064 C 19910121; DK 367978 A 19790221; EG 13422 A 19811231; ES 472553 A1 19790216; FI 63961 B 19830531; FI 63961 C 19830912; FI 782516 A 19790221; GR 73064 B 19840130; HK 8184 A 19840210; HU 180472 B 19830328; IE 47316 B1 19840222; IE 781677 L 19790220; IL 55385 A0 19781031; IL 55385 A 19820228; IN 150312 B 19820911; IT 1099021 B 19850918; IT 7826849 A0 19780818; JP S5441806 A 19790403; JP S6246530 B2 19871002; MX 147995 A 19830222; MY 8500553 A 19851231; NO 147271 B 19821129; NO 147271 C 19830316; NO 782821 L 19790221; NZ 188179 A 19800826; OA 06038 A 19800630; PH 16609 A 19831124; PL 119196 B1 19811231; PL 209133 A1 19790507; PT 68440 A 19780901; RO 77028 A 19810622; SG 37883 G 19840217; SU 971092 A3 19821030; TR 20021 A 19800701; US 4234509 A 19801118; YU 197778 A 19830121

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EP 78100666 A 19780816; AR 27335278 A 19780818; AT 600778 A 19780818; AU 3907678 A 19780818; BG 4067278 A 19780815; BR 7805331 A 19780818; CA 309619 A 19780818; CS 542578 A 19780818; DD 20732178 A 19780816; DE 2860715 T 19780816; DK 367978 A 19780818; EG 51178 A 19780816; ES 472553 A 19780814; FI 782516 A 19780817; GR 780157029 A 19780818; HK 8184 A 19840201; HU HO002097 A 19780818; IE 167778 A 19780818; IL 5538578 A 19780818; IN 889CA1978 A 19780814; IT 2684978 A 19780818; JP 9957878 A 19780817; MX 17457478 A 19780818; MY 8500553 A 19851230; NO 782821 A 19780818; NZ 18817978 A 19780818; OA 56581 A 19780818; PH 21508 A 19780818; PL 20913378 A 19780819; PT 6844078 A 19780818; RO 9498278 A 19780815; SG 37883 A 19830630; SU 2650552 A 19780818; TR 2002180 A 19800523; US 3275379 A 19790424; YU 197778 A 19780817