

Title (en)

Hydrogenation process for making rapid melting fats.

Title (de)

Hydrogenierungsverfahren zur Herstellung von schnell schmelzenden Fetten.

Title (fr)

Procédé d'hydrogénation pour la préparation de graisses à fusion rapide.

Publication

EP 0246366 A1 19871125 (EN)

Application

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Priority

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Abstract (en)

A single-stage process for catalytically hydrogenating liquid oils is disclosed. In this process a liquid oil having an iodine value of from about 95 to about 145 is hydrogenated in the presence of a partially deactivated nickel catalyst having a concentration of nickel of from about 0.01% to about 0.2% by weight of the oil. The hydrogenation process is carried out at a temperature which is gradually increased from a starting temperature of from about 160 DEG C (320 DEG F) to about 200 DEG C (392 DEG F) to a final temperature of from about 210 DEG C (410 DEG F) to about 250 DEG C (482 DEG F) and a pressure of from about 0 psig to about 100 psig. The process is terminated when the iodine value of the oil reaches a value of from about 65 to about 91. This process produces a hydrogenated oil having a solids content index of not higher than about 6 at 33 DEG C (92 DEG F) and a solids content index of at least about 17 between 21 DEG C (70 DEG F) and 33 DEG C (92 DEG F).

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C11C 3/12

IPC 8 full level

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C11C 3/123 (2013.01)

Citation (search report)

- [X] GB 1151677 A 19690514 - PROCTER & GAMBLE [US]
- [X] FR 1429975 A 19660225 - UNILEVER NV

Cited by

US7585990B2; US7498453B2; US7820841B2; GB2230020A

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