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(54) Title: PROCESS FOR THE CONTINUOUS HYDROGENATION OF TRIGLYCERIDE CONTAINING RAW MATERIALS

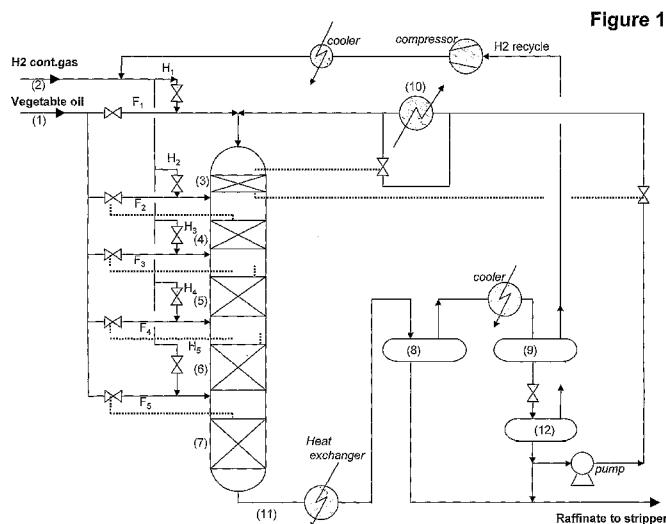


Figure 1

(57) Abstract: Process for the continuous hydrogenation of triglyceride containing raw materials in a fixed bed reactor system having several catalyst beds arranged in series and comprising hydrogenation catalyst. The raw material feed, hydrogen containing gas and diluting agent are passed together through the catalyst beds at hydrogenation conditions. The raw material feed stream as well as the stream of hydrogen containing gas are divided into an equal number of different partial streams. These are each passed to one catalyst bed in such a manner that the weight ratio of diluting agent to raw material feed is essentially the same at the entrance of all catalyst beds and does not exceed 4:1. The claimed process is preferably conducted at low temperatures and allows the utilization of existing units due to the low recycle ratio. Further, a sufficient excess of hydrogen is used so that no valuable product is lost through decarb-reactions.



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INV. C10G3/00 C10G45/58 C10G45/72
ADD.

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
C10G C10L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

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X	WO 2007/003709 A (NESTE OIL OYJ [FI]; MYLLYOJA JUKKA [FI]; AALTO PEKKA [FI]; SAVOLAINEN) 11 January 2007 (2007-01-11) claims 1-19 figure 1	1-16

☒ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

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