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(71) Applicant: **UNILEVER NV**
Burgemeester s'Jacobplein 1 P.O. Box 760
NL-3000 DK Rotterdam(NL)

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(71) Applicant: **UNILEVER PLC**
Unilever House Blackfriars P O Box 68
London EC4P 4BQ(GB)

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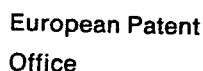
(72) Inventor: **Segers, Jacobus Cornelis**
Finsestraat 17
NL-2912 TG Nieuwerkerk a/d IJssel(NL)

(74) Representative: **de Jonge, Aeilko Pieter, Dr. et al,**
Unilever N.V., Patent Division Olivier van Noortlaan 120
P.O. Box 137
NL-3130 AC Vlaardingen(NL)

(54) **Method for processing of by-products of the refining of oils and fats.**

(57) Method for processing of by-products of the refining of oils and fats.

To avoid environmental objections in discarding by-products of refining and processing of fatty oils, fats or mineral oils, especially those containing alkali metal ions or salts, such by-products are combusted with excess air or oxygen, preferably in a fluidized bed oven, using a bed material having a low silicon content, particularly those containing mainly of titanium, calcium and/or aluminium oxides, at 600-950°C, preferably 800-850°C. The organic materials in the by-products are thereby converted into products which can be discharged without problems; the exhaust gases contain only low amounts of carbon monoxide and nitrogen oxides. By passing the combustion gases through a heat-exchanger, the heat generated can be used, e.g. to preheat the excess air for the process or to generate steam or heated water, which can be used economically in other parts of the plant. The process is particularly suitable for the combustion of soapstock, the water content of which has been reduced, e.g. by evaporation, if necessary.



EUROPEAN SEARCH REPORT

Application number

EP 83 20 0237

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl. ³)
X	DE-C- 551 449 (MALLERY) * Page 1, lines 1-31, 41-44; page 2, lines 43-49, 90-101 *	1-5, 10	F 23 G 7/00
Y	---	6	
Y	EP-A-0 003 831 (BAYER) * Page 1, lines 1-7; page 3, lines 5-12; page 5; page 6, lines 1-9; page 8, lines 6-27 *	6-9	
A	FR-A-2 056 634 (COMBUSTION POWER CY.) * Page 8, lines 19-22; page 8, line 39 - page 9, line 2; page 15, lines 31-33 *	8	
A	CH-A- 473 359 (ESSO) * Column 1, lines 1-17; column 4, lines 29-33, 40-51; column 5, lines 28-36 *	1, 8, 9, 10	TECHNICAL FIELDS SEARCHED (Int. Cl. ²) F 23 G
A	FR-A-2 268 758 (DORR-OLIVER)		
A	US-A-4 071 612 (WEYER et al.) --- -/-		
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 31-01-1984	Examiner COMEL E.
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			



DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl. ³)
A	HÜTTE TASCHENBUCH FÜR EISENHÜTTENLEUTE, 5th edition, 1961, page 35, Verlag von Wilhelm Ernst & Sohn, Berlin, DE * Page 35 * -----		
			TECHNICAL FIELDS SEARCHED (Int. Cl. ³)
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