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10.05.95 Bulletin 95/19(71) Applicant: **THE DOW CHEMICAL COMPANY**
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London WC2A 3SZ (GB)(54) **Process for hydrotreating an organic feedstock containing olefinic compounds and a halogen component.**

(57) Organic feedstocks (1) containing thermally unstable compounds and a halogen component are treated by catalytic hydrogenation (2) in admixture with a gaseous recycle stream (7) containing hydrogen and a hydrogen halide compound and, optionally, a recycle stream (14) containing unreacted halogenated organic compounds. The resulting effluent (3) is condensed (4) and separated (6) to

produce said recycle stream (7) and a stream (8) containing hydrogenated carbonaceous compounds. An anhydrous hydrogen halide product (10) can be recovered. The stream (8) can be separated (9,12) to provide a product stream (13) containing hydrogenated hydrocarbonaceous compounds and the optional recycle stream (14) containing unreacted halogenated compounds.

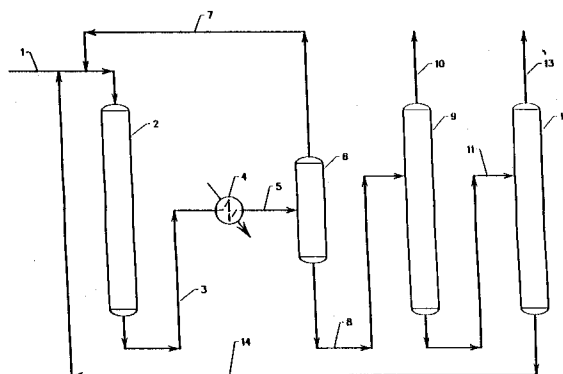


FIG. 1

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EUROPEAN SEARCH REPORT

Application Number
EP 94 30 8592

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.6)
D,X	US-A-5 314 614 (M.D.MOSER ET AL) * the whole document * -----	1-14	A62D3/00 C10G45/02 C10G49/00
			TECHNICAL FIELDS SEARCHED (Int.Cl.6)
			A62D C10G
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 17 March 1995	Examiner Fletcher, A
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			