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(71) Applicants: **BASF AKTIENGESELLSCHAFT** [DE/DE]; ., 67056 Ludwigshafen (DE). **THE DOW CHEMICAL COMPANY** [US/US]; 2030 Dow Center, Midland, Michigan 48674 (US).

(72) Inventors: **GÖBBEL, Hans-Georg**; Im Mosenborn 33, 67169 Kallstadt (DE). **SCHULTZ, Henning**; Kleinfeldstrasse 43, 68165 Mannheim (DE). **SCHULTZ, Peter**; Auf der Gänsweide 3, 67098 Bad Dürkheim (DE). **PATRASCU, Renate**; Distelweg 11b, 21682 Stade (DE). **SCHULZ, Malte**; Bi de School 4, 21723 Hollern-Tw. (DE). **WEIDENBACH, Meinolf**; Schwagerstrasse 5A, 21706 Drochtersen (DE).

(74) Agent: **ISENBRUCK, Günter**; ISENBRUCK BÖSL HÖRSCHLER WICHMANN HUHN, PATENTANWÄLTE, Theodor-Heuss-Anlage 12, 68165 Mannheim (DE).

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(54) **Title:** A METHOD OF SEPARATING AN OLEFIN FROM A GAS STREAM

(57) **Abstract:** The present invention relates to a method of separating an olefin from a gas stream, said gas stream comprising the olefin and at least one other component, said method comprising (i)compressing and cooling the gas stream; (ii) separating the olefin from the gas stream by absorbing the olefin in an absor-bent; (iii) separating the olefin from the absorbent by desorption; wherein compressing or cooling or compressing and cooling in (i) is carried out at least twice.

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