

2002059236
26 Sep 02

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
4 October 2001 (04.10.2001)

PCT

(10) International Publication Number
WO 01/73355 A1

- (51) International Patent Classification⁷: **F24F 3/16**, B01D 46/10 (74) Agent: **BALDWIN SHELSTON WATERS**; 60 Margaret Street, Sydney, NSW 2000 (AU).
- (21) International Application Number: PCT/AU01/00337 (81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.
- (22) International Filing Date: 27 March 2001 (27.03.2001)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data: PQ 6562 29 March 2000 (29.03.2000) AU (84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).
- (71) Applicant (*for all designated States except US*): **NO-VAPHARM RESEARCH (AUSTRALIA) PTY LTD** [AU/AU]; 3-11 Primrose Avenue, Roscbury, NSW 2018 (AU).
- (72) Inventor; and
- (75) Inventor/Applicant (*for US only*): **KRITZLER, Steven** [AU/AU]; 9 Redgum Avenue, Cronulla, NSW 2230 (AU).
- Published:
— with international search report
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*



162162

26 SEP 2002



ACTION

WO 01/73355 A1

(54) Title: CHEMICAL UPGRADING OF FILTERS

(57) Abstract: The invention provides a filter treated with a humectant which may optionally be in combination with a surfactant. The treatment may also include a water soluble rheology modifier to alter the viscosity of water drawn onto the filter by the humectant. A tackifier may also be added. The invention also provides compositions suitable for application to a filter to carry out the treatment. The invention provides a method of "upgrading" a filter using the treatments and compositions described.