



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁶ : B32B 3/26, 27/32, 31/14, 31/30	A1	(11) International Publication Number: WO 99/03673 (43) International Publication Date: 28 January 1999 (28.01.99)
(21) International Application Number: PCT/US98/13773 (22) International Filing Date: 1 July 1998 (01.07.98) (30) Priority Data: 08/895,510 16 July 1997 (16.07.97) US (71) Applicant: MOBIL OIL CORPORATION [US/US]; 3225 Gallows Road, Fairfax, VA 22037 (US). (72) Inventor: HEFFELFINGER, Michael, Thomas; 5423 Garnier Place, Westerville, OH 43081-8612 (US). (74) Agents: SANTINI, Dennis, P. et al.; Mobil Oil Corporation, 3225 Gallows Road, Fairfax, VA 22037 (US).		(81) Designated States: AU, BR, CA, CN, ID, JP, KR, SG, VN, European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE). Published <i>With international search report.</i>
(54) Title: IMPROVED WVTR FILM USING WAX IN COMBINATION WITH A CAVITATED TIE LAYER (57) Abstract A multilayer film having enhanced barrier properties with respect to oxygen and water vapor transmission is provided. The multilayer film includes a polyolefin core layer, a copolymer or terpolymer intermediate layer on at least one surface of the polyolefin core layer, with the intermediate layer having voids therein and including a wax trapped within the voids, and a surface layer on the intermediate layer. Multilayer films according to the present invention are particularly useful as packaging films for food products, and are successful in laminating, printing or coating operations.		