

SG9705457-1

**PCT**WORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁶: B32B 3/26, 7/02, 31/16	A1	(11) International Publication Number: WO 96/33864 (43) International Publication Date: 31 October 1996 (31.10.96)
(21) International Application Number: PCT/US96/03448 (22) International Filing Date: 13 March 1996 (13.03.96) (30) Priority Data: 08/427,785 / 25 April 1995 (25.04.95) / US (71) Applicant: MOBIL OIL CORPORATION [US/US]; 3225 Gallows Road, Fairfax, VA 22037 (US). (72) Inventors: KELLER, Lajos, E.; 8 Beaulaire Lane, Fairport, NY 14450 (US). NOTHNAGLE, Marie-France; 89 Waterford Way, Fairport, NY 14450 (US). (74) Agents: HOBBS, Laurence, P. et al.; Mobil Oil Corporation, 3225 Gallows Road, Fairfax, VA 22037 (US).	(81) Designated States: AU, CA, CN, JP, KR, SG , VN, European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE). Published <i>With international search report.</i>	
(54) Title: UNIAXIALLY SHRINKABLE BIAXIALLY ORIENTED POLYPROPYLENE FILMS (57) Abstract A uniaxially heat-shrinkable, biaxially oriented, multilayer film having a polypropylene-containing core layer comprising at least 70 wt.% of said multilayer film and at least one polyolefin-containing skin layer adjacent said core layer is prepared by biaxially orienting a coextrudate and thereafter orienting said coextrudate by stretching 10 to 40 % in the machine direction. The core layer contains isotactic polypropylene and a modifier which reduces the crystallinity of the polypropylene by increasing chain imperfections or reducing isotacticity of the polypropylene-containing core. Such modifiers can be selected from the group consisting of atactic polypropylene, syndiotactic polypropylene, ethylene-propylene copolymer, propylene-butylene copolymer, ethylene-propylene-butylene terpolymer, and linear low density polyethylene. The skin layer can be selected from the group consisting of polypropylene, ethylene-propylene copolymer, polyethylene, and ethylene-propylene-butylene terpolymer.		