

**PCT**WORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁶: C08F 110/00, 112/34, 132/08, 210/00, 212/34, 232/08	A1	(11) International Publication Number: WO 97/39035 (43) International Publication Date: 23 October 1997 (23.10.97)
(21) International Application Number: PCT/US97/05657 (22) International Filing Date: 4 April 1997 (04.04.97) (30) Priority Data: 08/647,196 15 April 1996 (15.04.96) US (71) Applicant: MOBIL OIL CORPORATION [US/US]; 3225 Gallows Road, Fairfax, VA 22037 (US). (72) Inventors: FIRDAUS, Vaseem; 280 Bennetts Lane, Somerset, NJ 08873 (US). SHIRODKAR, Pradeep, Pandurang; 8 McIntire Drive, Belle Mead, NJ 08502 (US). (74) Agents: SCHNELLER, Marina, V. et al.; Mobil Oil Corporation, 3225 Gallows Road, Fairfax, VA 22037 (US).		(81) Designated States: AU, CA, JP, KR, SG 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: HIGH IMPACT LLDPE FILMS (57) Abstract Blown films of linear low density polyethylene are produced by a high stalk process comprising extruding the linear low density polyethylene through an annular die to form an extruded tube of molten material, cooling the extruded tube while drawing the tube so cooled, to maintain the tube diameter identical to that of the annular die and expanding the tube or bubble to attenuate the walls thereof by introducing a gas to the interior of the tube or bubble. The resulting films are characterized by superior impact strength and MD tear resistance.		