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(21) International Application Number: PCT/US98/00844 (22) International Filing Date: 19 January 1998 (19.01.98) (30) Priority Data: 08/792,669 29 January 1997 (29.01.97) US (71) Applicant: MOBIL OIL CORPORATION [US/US]; 3225 Gallows Road, Fairfax, VA 22037 (US). (72) Inventors: MOUNT, Eldridge, Milford, III; 88 County Downs Circle, Fairport, NY 14450 (US). WAGNER, John, Robert, Jr.; 300 Ashley Drive, Rochester, NY 14620 (US). (74) Agents: SINNOTT, Jessica, M. et al.; Mobil Oil Corporation, 3225 Gallows Road, Fairfax, VA 22037 (US).		(81) Designated States: AU, BR, CA, CN, ID, JP, KR, <u>SG</u> , 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: ENHANCED BARRIER VACUUM METALLIZED FILMS (57) Abstract A multi-layer film having enhanced barrier properties against transmission of oxygen and water vapor is provided. The multi-layer film includes a polypropylene base layer, with a high density polyethylene layer on at least one surface of the polypropylene base layer. The polyethylene layer includes a surface which has been subjected to plasma treatment with a hydroxyl-donating material such as a methanol. The film further includes a metal layer deposited on the plasma treated surface, such as a layer of vacuum deposited aluminum. Multi-layer films according to the present invention are particularly useful as packaging films for food products.		