

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

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
29 July 2010 (29.07.2010)

PCT

(10) International Publication Number
WO 2010/084051 A1

(51) International Patent Classification:
C08F 210/02 (2006.01) **C08F 4/69** (2006.01)
C08F 4/64 (2006.01)

(21) International Application Number:
PCT/EP2010/050252

(22) International Filing Date:
12 January 2010 (12.01.2010)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
61/146,948 23 January 2009 (23.01.2009) US

(71) Applicant (for all designated States except US):
EVONIK OXENO GMBH [DE/DE]; Paul-Baumann-
Str. 1, 45772 Marl (DE).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **PETTIJOHN, Ted**
[US/US]; 10903 Autumn Mist Cove, Magnolia, Texas
77354 (US). **GRASS, Michael** [DE/DE]; Mosskamp 21b,
45721 Haltern am See (DE). **BUCHHOLZ, Stefan** [DE/
DE]; Darmstädter Str. 38, 63456 Hanau (DE). **ELLER-
MANN, Gerhard** [DE/DE]; Hervester Str. 4, 45768 Marl
(DE). **BJALAND, Anne Brit** [NO/NO]; Olavsgt 18,
N-3916 Porsgrunn (NO). **FOLLESTAD, Arild**
[NO/NO]; Damstien 10, N-3910 Stathelle (NO). **LIN-**

DROOS, Jarmo [FI/NO]; Ronnesv. 81, N-3930 Ulefoss
(NO).

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ,
CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO,
DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT,
HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP,
KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD,
ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI,
NO, NZ, OM, PE, PG, PH, PL, PT, RO, RS, RU, SC, SD,
SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR,
TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ,
TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE,
ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV,
MC, MK, MT, NL, NO, PL, PT, RO, SE, SI, SK, SM,
TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW,
ML, MR, NE, SN, TD, TG).

Published:

— with international search report (Art. 21(3))

(54) Title: PE MIB FILM ZN/CR

(57) Abstract: A film containing an interpolymer of ethylene and a 3-substituted C₄₋₁₀ alkene is prepared using a catalyst system comprising a Ziegler Natta or chromium oxide catalyst.



WO 2010/084051 A1