

Title (en)

ARTICLES MADE FROM POLYPROPYLENE, HIGHER ALPHA-OLEFIN COPOLYMERS

Title (de)

GEGENSTÄNDE AUS POLYPROPYLEN HÖHER ALPHA-OLEFIN-COPOLYMERE

Title (fr)

ARTICLES EN COPOLYMERES DE POLYPROPYLENE ET D'ALPHA-OLEFINES SUPERIEURES

Publication

**EP 0863943 A1 19980916 (EN)**

Application

**EP 96942122 A 19961202**

Priority

- US 9619184 W 19961202
- US 56535195 A 19951130

Abstract (en)

[origin: WO9719991A1] A molded or extruded article made from a propylene, alpha -olefin copolymer, where the alpha -olefin has 5 or more carbon atoms (higher alpha-olefins (HAO)), where the copolymer is made with a metallocene catalyst system, provides substantially higher cold flow resistance and resiliency than when the propylene copolymer contains an alpha -olefin of 4 or less carbon atoms. Other properties such as ultimate tensile strength and impact strength are substantially higher as well. Such polymers can be used to advantage in extruded profiles and molded parts either alone or in a thermoplastic olefin (TPO). Parts made from the propylene HAO copolymers or compounds made from them show improved creep resistance than propylene ethylene copolymers.

IPC 1-7

**C08L 23/14**; **C08J 5/18**; **C08F 210/06**

IPC 8 full level

**C08J 5/00** (2006.01); **C08F 4/642** (2006.01); **C08F 210/06** (2006.01); **C08J 5/18** (2006.01); **C08L 23/00** (2006.01); **C08L 23/14** (2006.01)

CPC (source: EP KR)

**C08F 210/06** (2013.01 - EP KR); **C08J 5/18** (2013.01 - EP KR); **C08L 23/14** (2013.01 - KR); **C08L 23/142** (2013.01 - EP); **C08J 2323/14** (2013.01 - EP); **C08L 2205/02** (2013.01 - EP); **C08L 2314/06** (2013.01 - EP)

Citation (search report)

See references of WO 9719991A1

Designated contracting state (EPC)

BE DE ES FR GB IT NL

DOCDB simple family (publication)

**WO 9719991 A1 19970605**; BR 9611669 A 19990223; CA 2234108 A1 19970605; CN 1203614 A 19981230; EP 0863943 A1 19980916; JP 2000501140 A 20000202; KR 19990071757 A 19990927; MX 9804215 A 19980930

DOCDB simple family (application)

**US 9619184 W 19961202**; BR 9611669 A 19961202; CA 2234108 A 19961202; CN 96198708 A 19961202; EP 96942122 A 19961202; JP 52073697 A 19961202; KR 19980704035 A 19980529; MX 9804215 A 19980527