

Title (en)
METHOD OF PRODUCING A UNIAXIALLY ORIENTED POLYMER MATERIAL.

Publication
EP 0000639 B1 19830413 (EN)

Application
EP 78300158 A 19780717

Priority
GB 3091377 A 19770722

Abstract (en)
[origin: US4183893A] In a method of producing uniaxially oriented polymer material, particularly a uniaxially oriented film, from a high density polyethylene, in which the material is put under tension and is drawn from a transverse heated portion with a draw ratio of 5:1 or higher (preferably 7:1 to 20:1), the drawing temperature is selected to be between 80 DEG C. and 110 DEG C., and preferably below 105 DEG C., whereby excellent gas barrier characteristics are obtained in the drawn material.

IPC 1-7
B29D 7/24

IPC 8 full level
B29C 55/00 (2006.01); **B29C 49/00** (2006.01); **B29C 55/04** (2006.01); **C08J 5/18** (2006.01)

CPC (source: EP US)
B29C 55/005 (2013.01 - EP US); **C08J 5/18** (2013.01 - EP US); **B29K 2023/06** (2013.01 - EP US); **C08J 2323/06** (2013.01 - EP US)

Citation (examination)

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- FR 2134331 A1 19721208 - POLYGEST AG [CH]
- FR 2297126 A1 19760806 - ICI LTD [GB]
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- GB 1120871 A 19680724 - DU PONT

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Designated contracting state (EPC)
BE DE FR LU NL

DOCDB simple family (publication)
EP 0000639 A1 19790207; **EP 0000639 B1 19830413**; AT 362926 B 19810625; AT A530478 A 19801115; DE 2862230 D1 19830519; DK 326678 A 19790123; GB 1598912 A 19810923; IE 47279 B1 19840208; IE 781394 L 19790122; IT 1103774 B 19851014; IT 7812712 A0 19780718; JP S5423684 A 19790222; US 4183893 A 19800115

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