

## Title (en)

HIGH TENACITY HANDWRAP STRETCH FILM FOR IMPROVED PALLET STABILITY

## Title (de)

DEHNBARER FILM MIT HOHER FESTIGKEIT FÜR VERBESSERTE PALETTENSTABILITÄT

## Title (fr)

FILM ÉTIRABLE MANUEL EN DÉROULEUR À HAUTE TÉNACITÉ POUR UNE STABILITÉ DE PALETTE AMÉLIORÉE

## Publication

**EP 4106994 A1 20221228 (EN)**

## Application

**EP 21705775 A 20210121**

## Priority

- US 202062977795 P 20200218
- US 2021014372 W 20210121

## Abstract (en)

[origin: WO2021167739A1] The present disclosure relates to multilayer films. The first layer may include a first polymer including polyethylene. The second layer, disposed on the first layer, may include a blend of a second polymer comprising a copolymer of ethylene and hexene and a third polymer comprising a copolymer of ethylene and hexene. The third layer, disposed on the second layer may include a fourth polymer including polyethylene. The present disclosure also relates to methods for preparing a multilayer films. The methods may include extruding a first layer, a second layer disposed on the first layer, and a third layer disposed on the second layer to form a multilayer film. Additionally, the present disclosure relates to pallets wrapped in a multilayer film, wherein the multilayer film is configured to provide a holding force of about 1.15 N per gram of the multilayer film per cubic meter of the pallet and goods.

## IPC 8 full level

**B32B 27/08** (2006.01); **B29D 7/01** (2006.01); **B32B 27/32** (2006.01); **B65D 65/02** (2006.01); **B65D 65/40** (2006.01); **C08L 23/06** (2006.01); **C08L 23/08** (2006.01)

## CPC (source: EP)

**B29C 48/0018** (2019.01); **B29C 48/08** (2019.01); **B29C 48/21** (2019.01); **B29C 48/92** (2019.01); **B29D 7/01** (2013.01); **B32B 7/02** (2013.01); **B32B 27/08** (2013.01); **B32B 27/32** (2013.01); **B32B 27/327** (2013.01); **B65D 65/02** (2013.01); **B65D 65/40** (2013.01); **B29C 2948/92152** (2019.01); **B29C 2948/92647** (2019.01); **B32B 2250/03** (2013.01); **B32B 2250/04** (2013.01); **B32B 2250/05** (2013.01); **B32B 2250/40** (2013.01); **B32B 2270/00** (2013.01); **B32B 2307/514** (2013.01); **B32B 2307/54** (2013.01); **B32B 2307/558** (2013.01); **B32B 2307/5825** (2013.01); **B32B 2307/72** (2013.01); **B32B 2553/00** (2013.01)

## Citation (search report)

See references of WO 2021167739A1

## Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

## Designated extension state (EPC)

BA ME

## Designated validation state (EPC)

KH MA MD TN

## DOCDB simple family (publication)

**WO 2021167739 A1 20210826**; EP 4106994 A1 20221228

## DOCDB simple family (application)

**US 2021014372 W 20210121**; EP 21705775 A 20210121