



New connection on: : 29-09-2018 : 01:53:47 - Last disconnection on: : 28-09-2018 : 00:04:06

V 4.0.0.44358(LP,U,linux) (Rev:43856 2017-04-27 09:03:29 +0200#(D201802)) (RPM D201802)

Welcome to EPOQUE Rebuild under the Production Environment

[No database/cluster active] ..fi epodoc

☐ Database: EPODOC

[EPODOC: SS 1] (film or sheet) and (polypropylene or plastic or thermoplastic) and impact and (resist+ or strength)

Results in EPODOC 3.240

[SS 2] 1 and emboss+ and pattern and (gloss or bright or glow)

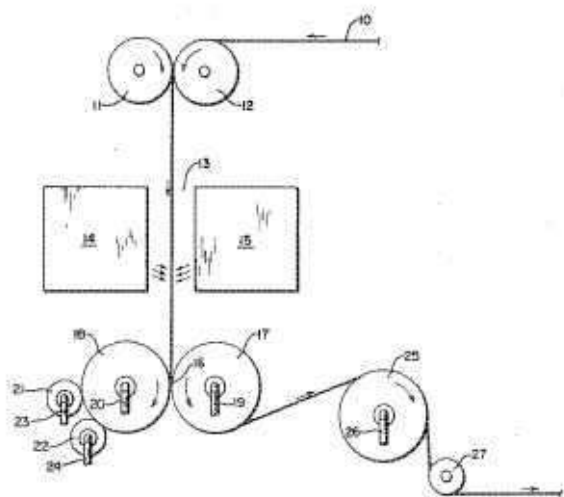
Results in EPODOC 4

[SS 3] ..li



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PN - [US3950480](#) A 19760413
PR - US19730323055
19730112; US19750575224
19750507
AP - US19750575224 19750507
DT - *
CT - [GB719964](#) A []; [US2567275](#) A [];
[US2928124](#) A []; [US3170974](#) A [];
[US3283378](#) A []; [US3311692](#) A [];
[US3502765](#) A []; [US3540959](#) A []
CCI - [B29C59/04](#)
CCA - [B29K2995/0024](#) ;
[B29K2995/0077](#) ;
[B29L2007/001](#) ;
[B29L2031/4878](#) ;



[B29L2031/7128](#)

- PA - ETHYL CORP
- TI - Method for **embossing plastic** material
- AB - A method for **embossing thermoplastic** material and the **thermoplastic** material produced thereby. A transverse section of a continuous length of preformed **thermoplastic film** is heated by a nondirect contact heat source to raise the temperature of the **film** above its softening point. The **film** is then fed immediately between adjacent, counter-rotating **embossing** rollers, thereby **embossing** a raised **pattern** onto the **film**. The rollers are cooled to fix the **embossed pattern** on the **film**. The **embossed film** has good moduli, low surface **gloss** or light reflectance, deep **embossed pattern**, high tensile **strength** and high **impact strength**.

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- PN - [US3894827](#) A 19750715
- PR - US19730345486 19730328
- AP - US19730345486 19730328
- DT - **
- CT - [US2490781](#) A []; [US2567275](#) A []; [US2928124](#) A []; [US3012335](#) A []; [US3074179](#) A []; [US3208898](#) A []; [US3309452](#) A []; [US3539423](#) A []
- CCI - [B29B13/023](#) ; [B29C35/06](#) ; [B29C59/04](#)
- CCA - [B29C35/045](#)
- PA - ETHYL CORP
- TI - Method and apparatus for **embossing plastic film**
- AB - A method and apparatus for **embossing thermoplastic** material, particularly thin, flexible, **thermoplastic film**. A length of preformed **thermoplastic film** is fed through a zone of heated air to raise the temperature of the **film** above its softening point. The zone of heated air is provided by two opposed hot air ovens having external means for heating and recirculating air through the ovens. After the **film** exits from the hot air

ovens, it is fed between opposed, counter-rotating, **embossing** rolls thereby **embossing** a **pattern** onto the **film**. The rolls are cooled to fix the **embossed pattern** onto the **film**. The **embossed film** has little or no tendency to curl, has good moduli, low surface **gloss** or light reflectance, deep **embossed pattern**, high tensile **strength** and high **impact strength**.

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- PN - [US3849050](#) A 19741119
- PR - US19730323452 19730115
- AP - US19730323452 19730115
- DT - *
- CT - [US2928124](#) A []; [US3313002](#) A [];
[US3374303](#) A []; [US3499064](#) A []
- CCI - [B29C59/04](#) ; [B29B13/023](#) ; [B29C35/06](#)
- CCA - [B29C35/045](#)
- PA - ETHYL CORP
- TI - APPARATUS FOR **EMBOSSING PLASTIC MATERIAL**
- AB - An apparatus for **embossing thermoplastic** material, particularly thin, flexible, **thermoplastic** films. A continuous length of preformed **thermoplastic film** is fed through a zone of heated, preferably recirculating, air to raise the temperature of the **film** above its softening point. The **film** is then immediately fed between adjacent, counter-rotating **embossing** rolls, thereby **embossing** the **pattern** onto the **film**. The rolls are cooled to fix the **embossed pattern** on the **film**. The **embossed film** has little or no tendency to curl, has good moduli, low surface **gloss** or light reflectance, deep **embossed pattern**, high tensile **strength** and high **impact strength**.

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- PN - [CA1046716](#) A 19790123
- PR - US19730345486 19730328
- AP - CA19740194576 19740311
- DT - I
- CCI - [B29B13/023](#) ; [B29C35/06](#) ; [B29C59/04](#)
- CCA - [B29C35/045](#)
- PA - ETHYL CORP
- TI - METHOD AND APPARATUS FOR **EMBOSSING PLASTIC FILM**
- AB - IMPROVED METHOD AND APPARATUS FOR **EMBOSSING PLASTIC FILM** A method and apparatus for **embossing thermoplastic** material, particularly thin, flexible, **thermoplastic film**. A length of preformed **thermoplastic film** is fed through a zone of heated air to raise the temperature of the **film** above its softening point. The zone of heated air is provided by two opposed hot air ovens having external means for heating and recirculating air through the ovens. After the **film** exits from the hot air ovens, it is fed between opposed, counter-rotating, **embossing** rolls thereby **embossing** a **pattern** onto the **film**. The rolls are cooled to fix the **embossed pattern** onto the **film**. The **embossed film** has little or no tendency to curl, has good moduli, low surface **gloss**

or light reflectance, deep **embossed pattern**, high tensile **strength** and high **impact strength**.

[SS 3]