

Title (en)
CRYOGENIC PROCESSES FOR TREATING PANTYHOSE

Title (de)
KRYOGENE VERFAHREN ZUR BEHANDLUNG VON STRUMPFHOSEN

Title (fr)
PROCEDES CRYOGENIQUES POUR TRAITER DES COLLANTS

Publication
EP 1570251 A4 20070926 (EN)

Application
EP 02794238 A 20021212

Priority
US 0239779 W 20021212

Abstract (en)
[origin: CA2509948A1] A process for treating pantyhose in a cryogenic processor to produce cryogenically treated pantyhose that have enhanced wearing qualities is described. In this regard, one such process, among others, can be broadly summarized by the following steps:reducing the temperature of the pantyhose to between about -80~ C and about -240~ C over about a 1 to 6 hour time period; holding the temperature of the pantyhose between about -80 ~ C and about -24 0 ~ C for a 6 to 48 hour time period; and allowing the pantyhose to increase i n temperature to about 25 ~ C over a 3 to 48 hour time period. The cryogenic treatment of pantyhose results in enhanced wearing qualities.

IPC 8 full level
D06M 23/00 (2006.01); **B29C 71/02** (2006.01); **D06C 7/00** (2006.01); **G01N 1/04** (2006.01)

CPC (source: EP)
B29C 71/02 (2013.01); **D06M 23/00** (2013.01); **B29K 2995/0087** (2013.01); **B29L 2031/4871** (2013.01)

Citation (search report)

- [X] US 3891477 A 19750624 - LANCE JAMES W, et al
- [X] US 6332325 B1 20011225 - MONFORT EDWARD [US]
- [A] US 5346725 A 19940913 - TARGOSZ EUGENE F [US]
- [A] DE 3231092 A1 19840223 - LINDE AG [DE]
- See references of WO 2004055496A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SI SK TR

DOCDB simple family (publication)
AU 2002359685 A1 20040709; CA 2509948 A1 20040701; CN 1720436 A 20060111; EP 1570251 A1 20050907; EP 1570251 A4 20070926; JP 2006509923 A 20060323

DOCDB simple family (application)
AU 2002359685 A 20021212; CA 2509948 A 20021212; CN 02830153 A 20021212; EP 02794238 A 20021212; JP 2004560247 A 20021212