

Title (en)  
Device for making a spunbond web

Title (de)  
Vorrichtung zur Herstellung einer Spinnvliesbahn

Title (fr)  
Dispositif de fabrication d'une nappe liée au filage (spunbonded)

Publication  
**EP 1323852 A1 20030702 (DE)**

Application  
**EP 01129946 A 20011217**

Priority  
EP 01129946 A 20011217

Abstract (en)  
A spunbond web producing-apparatus has a spinning head to produce a curtain of thermoplastic synthetic resin filaments, a stretching nozzle between a pair of nozzle-forming units to stretch the filaments, a foraminous belt to collect the filaments in the form of spunbond web, and temperature control device(s) to control the temperature of the unit(s) and reduce basis weight tolerances of the web.

Abstract (de)  
Vorrichtung zur Herstellung einer Spinnvliesbahn aus aerodynamisch verstreckten Filamenten aus thermoplastischem Kunststoff, mit einem Spinnkopf mit einer Mehrzahl von Spinndüsenbohrungen, aus dem ein Vorhang aus thermoplastischen Filamenten austritt. Es ist eine Verstreckdüse mit zwei gegenüberliegenden düsenpaltbildenden Verstreckdüsenaggregaten vorgesehen. An zumindest einem Verstreckdüsenaggregat ist zumindest eine Temperiereinrichtung zur Temperierung des Verstreckdüsenaggregates angeschlossen. <IMAGE>

IPC 1-7  
**D01D 5/098**; **D01D 5/084**; **D04H 3/16**; **D04H 3/02**; **D04H 3/03**

IPC 8 full level  
**D01D 4/00** (2006.01); **D01D 5/084** (2006.01); **D01D 5/098** (2006.01); **D04H 3/03** (2012.01); **D04H 3/033** (2012.01); **D04H 3/16** (2006.01)

CPC (source: EP KR US)  
**D01D 4/00** (2013.01 - KR); **D01D 5/084** (2013.01 - EP US); **D01D 5/0985** (2013.01 - EP US); **D04H 3/03** (2013.01 - EP US); **D04H 3/033** (2013.01 - EP US); **D04H 3/16** (2013.01 - EP US)

Citation (search report)

- [A] DE 4312419 A1 19941020 - REIFENHAEUSER MASCH [DE]
- [A] US 3936253 A 19760203 - FISHER WILLIAM BERNARD, et al
- [A] US 5800840 A 19980901 - GEUS HANS GEORG [DE], et al
- [A] DE 4014414 A1 19911107 - REIFENHAEUSER MASCH [DE]
- [A] US 5098636 A 19920324 - BALK HERMANN [DE]
- [A] US 5766646 A 19980616 - GEUS HANS GEORG [DE], et al
- [A] US 5599488 A 19970204 - PROFEE HANS J [DE]
- [A] PATENT ABSTRACTS OF JAPAN vol. 2000, no. 01 31 January 2000 (2000-01-31)
- [A] PATENT ABSTRACTS OF JAPAN vol. 2000, no. 19 5 June 2001 (2001-06-05)
- [A] PATENT ABSTRACTS OF JAPAN vol. 017, no. 446 (C - 1098) 17 August 1993 (1993-08-17)
- [A] PATENT ABSTRACTS OF JAPAN vol. 1996, no. 02 29 February 1996 (1996-02-29)

Cited by  
EP3865613A1; IT202000003074A1; WO2012125336A1; WO2012125701A1; WO2012162085A1; WO2014081778A1; WO2010141577A1; WO2012125281A1; WO2014081753A1; WO2014081789A1; WO2010138832A1; WO2010141643A1; WO2010141578A1; WO2012125707A1; WO2014081751A1; WO2014081749A2; WO2012162083A1; EP3085733A1; WO2014081765A1; US8759606B2; US9439816B2; WO2012125538A1; WO2012161840A1; WO2012162130A1; EP3103833A1; WO2014081791A1

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DOCDB simple family (application)  
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