

Title (en)
Apparatus for the continued production of a spunbonded web

Title (de)
Anlage zur kontinuierlichen Herstellung einer Spinnvliesbahn

Title (fr)
Appareil pour la fabrication en continu d'un voile de tissé-lié

Publication
EP 1340842 A1 20030903 (DE)

Application
EP 02004614 A 20020228

Priority
EP 02004614 A 20020228

Abstract (en)
A spun-bond web production apparatus comprises a spinneret for producing descending thermoplastic synthetic resin filaments; receiving device for receiving filaments; continuously movable collecting foraminous belt; and at least two mutually independently controllable suction zones beneath the belt for drawing air and including a primary suction zone at which a greater part of the filaments are drawn onto the belt. A spun-bond web production apparatus comprises a spinneret (1) for producing descending thermoplastic synthetic resin filaments; receiving device below the spinneret and receiving filaments for aerodynamically stretching the filaments; continuously movable collecting foraminous belt (7) displaceable longitudinally in a web-producing direction below the receiving device to produce a spun-bond web; and at least two mutually independently controllable suction zones (11) beneath the belt for drawing air through and in succession in the web-producing direction, and including a primary suction zone at which a greater part of the filaments are drawn onto the belt and at least one other suction zone.

Abstract (de)
Anlage zur kontinuierlichen Herstellung einer Spinnvliesbahn aus aerodynamisch verstreckten Filamenten aus thermoplastischem Kunststoff, mit einer die Filamente abgebenden Spinnerette. Unterhalb der Spinnerette ist ein kontinuierlich bewegbares Ablegiesiebband (7) angeordnet, auf dem die Filamente zum Spinnvlies ablegbar sind. An dem Ablegiesiebband (7) ist eine Saugeinrichtung zum Ansaugen von Luft durch das Ablegiesiebband vorgesehen. In Förderrichtung des Ablegiesiebbandes sind zumindest zwei voneinander getrennte Absaugbereiche (10,11,12) hintereinander angeordnet. Einer dieser Absaugbereiche ist ein der Ablegezone zugeordneter Hauptabsaugbereich (11). In dem Hauptabsaugbereich (11) und dem zumindest einen weiteren Absaugbereich sind die Absauggeschwindigkeiten jeweils unabhängig voneinander einstellbar. <IMAGE>

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

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

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

Citation (search report)
• [A] EP 1079012 A1 20010228 - REIFENHAEUSER MASCH [DE]
• [A] DE 4312419 A1 19941020 - REIFENHAEUSER MASCH [DE]
• [A] DE 4312309 A1 19941020 - REIFENHAEUSER MASCH [DE]

Cited by
EP2584076A1; EP1548167A1; EP3771762A1; EP2907909A1; CN104846556A; US7001567B2; DE102011119112A1; WO2008092749A1; US8992810B2

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

DOCDB simple family (publication)
EP 1340842 A1 20030903; **EP 1340842 B1 20080220**; **EP 1340842 B2 20101208**; AT E386831 T1 20080315; CN 1325714 C 20070711; CN 1441105 A 20030910; CZ 2003583 A3 20031015; CZ 305996 B6 20160615; DE 50211736 D1 20080403; DK 1340842 T3 20080616; DK 1340842 T4 20110328; ES 2298302 T3 20080516; ES 2298302 T5 20110224; JP 2003268619 A 20030925; JP 4294975 B2 20090715; KR 100910605 B1 20090803; KR 20030071574 A 20030903; US 2003161904 A1 20030828; US 6932590 B2 20050823

DOCDB simple family (application)
EP 02004614 A 20020228; AT 02004614 T 20020228; CN 03106719 A 20030227; CZ 2003583 A 20030227; DE 50211736 T 20020228; DK 02004614 T 20020228; ES 02004614 T 20020228; JP 2003051111 A 20030227; KR 20030012659 A 20030228; US 37589503 A 20030227