

Title (en)  
PLANT AND METHOD FOR DRYLY PRODUCING A NON-WOVEN FIBRE WEB OF SHORT AND LONG FIBRES, A COTTON FIBRE WEB CONTAINING COTTON LINTERS PULP (CLP)

Title (de)  
VORRICHTUNG UND VERFAHREN ZUR TROCKENHERSTELLUNG EINER FASERVLIESBAHN AUS KURZEN UND LANGEN FASERN, BAUMWOLLFASERBAHN AUS BAUMWOLLZELLSTOFF

Title (fr)  
INSTALLATION ET PROCEDE DE PRODUCTION A SEC D'UNE BANDE DE FIBRES EN NON-TISSE, A FIBRES LONGUES ET COURTES, ET BANDE EN FIBRES DE COTON RENFERMANT DE LA PATE DE CHARPIE DE COTON

Publication  
**EP 1299588 B1 20040310 (EN)**

Application  
**EP 01938004 A 20010531**

Priority  
• DK 0100381 W 20010531  
• DK PA200000857 A 20000531

Abstract (en)  
[origin: WO0192621A1] A plant comprising two air-lay stations (1; 2) placed one after the other serving for dryly producing a non-woven fibre web. Each station comprises a fibre feed duct (9; 26) for feeding fibres to the station from a fibre source (4; 16), an air-lay forming head (5; 19) connected to the fibre feed duct (9; 26) and at least partly defined by a perforated screen (6; 20), and a suction box (8; 23) for successively sucking fibres in the forming head (5; 19) through the screen (6; 20). A separate fibre source (4; 16) is part of each station (1; 2). The first station (1) furthermore has a fibre collector (8; 29) placed under the screen (6) of its forming head (5) whereas the second station (2) has a forming wire (22) placed under the screen (20) of its forming head (19). The two stations (1; 2) are connected to at least one conveyor (12; 13) for conveying fibres from the fibre collector (8; 29) of the first station (1) to the forming head (19) of the second station (2).

IPC 1-7  
**D04H 1/72**; **D21H 27/00**

IPC 8 full level  
**D04H 1/425** (2012.01); **D04H 1/4266** (2012.01); **D04H 1/541** (2012.01); **D04H 1/542** (2012.01); **D04H 1/72** (2012.01); **D04H 1/732** (2012.01); **D04H 1/736** (2012.01)

CPC (source: EP US)  
**D04H 1/425** (2013.01 - EP US); **D04H 1/4266** (2013.01 - EP US); **D04H 1/5412** (2020.05 - EP US); **D04H 1/5418** (2020.05 - EP US); **D04H 1/542** (2013.01 - EP US); **D04H 1/72** (2013.01 - EP US); **D04H 1/732** (2013.01 - EP US); **D04H 1/736** (2013.01 - EP US)

Cited by  
US7690903B2

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)  
**WO 0192621 A1 20011206**; AT E261506 T1 20040315; AU 6377401 A 20011211; CA 2408800 A1 20011203; CA 2408800 C 20090106; CN 1289735 C 20061213; CN 1432083 A 20030723; DE 60102301 D1 20040415; DE 60102301 T2 20040729; EP 1299588 A1 20030409; EP 1299588 B1 20040310; ES 2217154 T3 20041101; ES 2217154 T4 20071001; JP 2003535230 A 20031125; PT 1299588 E 20040831; TR 200400816 T4 20040721; US 2003070262 A1 20030417

DOCDB simple family (application)  
**DK 0100381 W 20010531**; AT 01938004 T 20010531; AU 6377401 A 20010531; CA 2408800 A 20010531; CN 01810480 A 20010531; DE 60102301 T 20010531; EP 01938004 A 20010531; ES 01938004 T 20010531; JP 2002500011 A 20010531; PT 01938004 T 20010531; TR 200400816 T 20010531; US 29462102 A 20021115