

Title (en)  
MANUFACTURING LINE FOR NONWOVEN FABRIC

Title (de)  
FERTIGUNGSLINIE FÜR EINEN VLIESSTOFF

Title (fr)  
LIGNE DE FABRICATION DE NON-TISSÉ

Publication  
**EP 3798342 B1 20220413 (EN)**

Application  
**EP 20397512 A 20200929**

Priority  
FI 20194131 A 20190930

Abstract (en)  
[origin: EP3798342A1] Nonwoven fabric manufacturing line (1), which comprises a forming device (2) for forming a fibre web (3) on a moving web-forming base (4) and a spunlacing device (5) for reinforcing the web (3). Further, the line comprises at least one first drying device (8, 10) for drying the web (3) and a calender (12) for forming patterning in the web (3). The manufacturing line (1) comprises at least one second drying device (14) for drying the calendered web (3), which second drying device (14) is located after the calender (12) in the direction of travel of the web (3).

IPC 8 full level  
**D04H 1/49** (2012.01); **D04H 1/732** (2012.01)

CPC (source: EP)  
**D04H 1/49** (2013.01); **D04H 1/732** (2013.01)

Citation (opposition)  
Opponent : Andritz Küsters GmbH

- EP 0373974 A2 19900620 - JAMES RIVER CORP [US]
- EP 2692924 A1 20140205 - SUOMINEN CORP [FI]
- EP 1524350 A1 20050420 - REIFENHAEUSER MASCH [DE]
- DE 2655136 A1 19780608 - FREUDENBERG CARL FA
- DE 69811646 T2 20031204 - KIMBERLY CLARK CO [US]
- EP 0624209 A1 19941117 - MINNESOTA MINING & MFG [US]
- DE 10050512 A1 20020523 - FREUDENBERG CARL KG [DE]
- WO 2005106116 A1 20051110 - BIAGIOTTI GUGLIELMO [IT]
- EP 0357474 A1 19900307 - JAMES RIVER CORP [US]
- DE 102006042507 A1 20080327 - ANDRITZ KUESTERS GMBH & CO KG [DE]
- EP 1206927 A1 20020522 - JOHNSON & JOHNSON INC [CA]
- RUSSELL S.J.: "Handbook of Nonwovens", 1 January 2007, pages: 256 - 257, XP093016925

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)  
**EP 3798342 A1 20210331; EP 3798342 B1 20220413; ES 2920500 T3 20220804**

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