

Title (en)

Method for thermomechanically treating a nonwoven web or thermoplastic synthetic material and machine for carrying out this method

Title (de)

Verfahren zur thermomechanischen Behandlung einer Vliesbahn aus thermoplastischem Kunststoff und Anlagen für die Durchführung des Verfahrens

Title (fr)

Procédé pour le traitement thermomécanique d'un non-tissé de matière synthétique, thermoplastique et installation pour la mise en oeuvre de ce procédé

Publication

EP 0757126 B1 19990616 (DE)

Application

EP 96111728 A 19960720

Priority

DE 19527057 A 19950725

Abstract (en)

[origin: EP0757126A1] Continuous non-woven heating comprises: (i) moving at a uniform speed through a thermal treatment station where a gas stream of predetermined velocity and temperature passes through it to pre-heat it; (ii) mechanically treating; and (iii) using the gas velocity and temperature and the treatment length so that at all treatment speeds including zero speed the melting point of the filaments and/or fibres is not exceeded. Also claimed is the appts. for heating a moving continuous nonwoven.

IPC 1-7

D04H 1/54; **D04H 3/14**

IPC 8 full level

D04H 1/54 (2012.01); **D04H 3/14** (2012.01)

CPC (source: EP US)

D04H 1/54 (2013.01 - EP US); **D04H 3/14** (2013.01 - EP US); **Y10T 156/1737** (2015.01 - EP US)

Cited by

JP2008144344A; EP1930492A1

Designated contracting state (EPC)

DK ES FR GB IT SE

DOCDB simple family (publication)

EP 0757126 A1 19970205; **EP 0757126 B1 19990616**; CA 2191364 A1 19970126; CA 2191364 C 20000222; DE 19527057 A1 19970206; DE 19527057 C2 20020627; DK 0757126 T3 19991122; ES 2135142 T3 19991016; KR 100381947 B1 20030712; MX 9702032 A 19970830; US 5913997 A 19990622; WO 9705312 A1 19970213

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EP 96111728 A 19960720; CA 2191364 A 19960720; DE 19527057 A 19950725; DE 9601371 W 19960720; DK 96111728 T 19960720; ES 96111728 T 19960720; KR 19960707111 A 19961212; MX 9702032 A 19960720; US 73738496 A 19961031