

Title (en)  
MOULDED PART CONSISTING OF A NONWOVEN FABRIC AND SELF-SUPPORTING MOULDED PART PRODUCED FROM THE SAME

Title (de)  
FORMTEIL AUS EINEM FASERVlies UND DARAUS HERGESTELLTES SELBSTTRAGENDES FORMTEIL

Title (fr)  
PIECE MOULEE EN NON-TISSE ET PIECE MOULEE AUTO-PORTEUSE OBTENUE A PARTIR DE CE NON-TISSE

Publication  
**EP 1242662 A2 20020925 (DE)**

Application  
**EP 00987417 A 20001219**

Priority  
• DE 19962640 A 19991223  
• EP 0012945 W 20001219

Abstract (en)  
[origin: DE19962640A1] The self-supporting shaped unit, formed by heat using a fiber nonwoven material, uses a nonwoven composed of a mixture of natural and viscose fibers and especially modified viscose fibers with a high melting point. They are bonded together by heat and pressure. The mixture is a double or triple combination of the fiber components. The modified viscose fibers are acetate fibers, with a melting point \-190 deg C. The heat and pressure are applied to the nonwoven in a molding press. The viscose and/or modified viscose fibers comprise 20-80 wt% of the material mixture. The mixture ratio of the natural fibers to the viscose and/or modified viscose fibers is 50 to 50 wt%. The material for the shaped component has a weight of 150-3000 g/m<2> and preferably 200-1000 g/m<2>. The shaped component has a thickness of 1-5 mm. An Independent claim is included for a material shaping process, where the nonwoven of the required fiber mixture is placed in a molding press, to be shaped into a self-supporting component.

IPC 1-7  
**D04H 1/00**; D04H 1/04; D04H 1/54; D04H 1/46; D04H 5/02; D04H 5/06; B60R 13/08

IPC 8 full level  
**D04H 1/00** (2006.01); **D04H 1/46** (2006.01); **D04H 1/485** (2012.01); **D04H 1/54** (2006.01); **D04H 1/541** (2012.01)

CPC (source: EP US)  
**D04H 1/485** (2013.01 - EP); **D04H 1/54** (2013.01 - EP); **D04H 1/5418** (2020.05 - EP US)

Citation (search report)  
See references of WO 0148290A2

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)  
**DE 19962640 A1 20010628**; EP 1242662 A2 20020925; WO 0148290 A2 20010705; WO 0148290 A3 20020530

DOCDB simple family (application)  
**DE 19962640 A 19991223**; EP 0012945 W 20001219; EP 00987417 A 20001219