

Title (en)  
Improvements in and relating to synthetic down.

Title (de)  
Künstliche Daunen.

Title (fr)  
Duvet artificiel.

Publication  
**EP 0279677 A2 19880824 (EN)**

Application  
**EP 88301381 A 19880218**

Priority  
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• US 1747287 A 19870220

Abstract (en)  
The present invention relates to a method of forming a thermal insulating material which method comprises forming a fibre assemblage from 70 to 95 percent by weight of synthetic polymeric microfibrils having a diameter of from 3 to 12 microns; and from 5 to 30 percent by weight of synthetic polymeric macrofibrils having a diameter not less than 12 microns, shaping the assemblage so formed, and effecting bonding between at least some of the fibres at their contact points such that the density of the resultant structure is within the range 3 to 16 kg/m<sup>3</sup>, the bonding being effected without significant loss to thermal insulating properties compared with the unbonded assemblage.

IPC 1-7  
**A41G 11/02**

IPC 8 full level  
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CPC (source: EP)  
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Cited by  
DE102016224251A1; DE102016224251B4; EP0683280A1; EP0571884A1; EP3333295A1; WO2014100178A1; WO2004008897A1; WO2014116439A1; US10266674B2; US10844197B2; US10815592B2

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