

Title (en)  
BACKED PILE WEATHERSTRIP

Title (de)  
FLORDICHTUNGSSTREIFEN MIT RÜCKEN

Title (fr)  
COUPE-BISE A BALAI RENFORCE

Publication  
**EP 1814711 A1 20070808 (EN)**

Application  
**EP 05824281 A 20051108**

Priority  
• US 2005040390 W 20051108  
• GB 0424547 A 20041108  
• US 65743205 P 20050302

Abstract (en)  
[origin: WO2006052948A1] A new method of making and manufacturing pile weather stripping is described using a non-woven, e.g. a knitted pile that is either cropped or slit to the correct pile height. The pile is then precisely introduced to a singer using guides. After the singing process the knitted pile is guided into the extruder head where the base is extruded around the knitted pile. The density of the knitted pile weather stripping is controlled by adding or removing filling yarns, picks and changing of the yarn denier. The base thickness and configuration is a direct function of the extrusion head. A pile fin or fins can be added as a purchased raw good or extruded as part of the process. The inventive pile weather stripping allows for the fabrication of any pile height, pile density and backing configuration to include throat width, T-slot width, T-slot base depth and varying fin heights. The method can be used to make a weather stripping comprising pile extending from a backing, the pile comprising pile yarns, the backing being bonded to the pile, a synthetic fibre being interlaced with the pile yarns, and the backing trapping at least a part of the synthetic fibre in the backing.

IPC 8 full level  
**B29C 48/07** (2019.01); **B29C 48/12** (2019.01); **B29C 48/155** (2019.01); **B32B 5/02** (2006.01)

CPC (source: EP)  
**B29C 48/07** (2019.01); **B29C 48/12** (2019.01); **B29C 48/155** (2019.01); **B32B 3/04** (2013.01); **B32B 3/263** (2013.01); **B32B 5/02** (2013.01); **B32B 5/026** (2013.01); **B32B 5/10** (2013.01); **B32B 5/12** (2013.01); **B32B 7/06** (2013.01); **B32B 27/12** (2013.01); **B32B 27/304** (2013.01); **E06B 7/22** (2013.01); **B29C 65/08** (2013.01); **B29C 65/16** (2013.01); **B29C 66/69** (2013.01); **B29L 2031/26** (2013.01); **B29L 2031/765** (2013.01); **B32B 2250/44** (2013.01); **B32B 2255/02** (2013.01); **B32B 2255/26** (2013.01); **B32B 2262/0238** (2013.01); **B32B 2307/712** (2013.01); **B32B 2571/00** (2013.01)

Citation (search report)  
See references of WO 2006052948A1

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**WO 2006052948 A1 20060518**; EP 1814711 A1 20070808

DOCDB simple family (application)  
**US 2005040390 W 20051108**; EP 05824281 A 20051108