

Title (en)
PILE WEATHERSTRIPPING AND METHODS OF MAKING SAME

Title (de)
FENSTERDICHTBAND MIT FLOR UND VERFAHREN ZU DESSEN HERSTELLUNG

Title (fr)
BOURRELET DE POIL, ET PROCEDES DE REALISATION

Publication
EP 1507909 A1 20050223 (EN)

Application
EP 02734546 A 20020524

Priority
US 0216612 W 20020524

Abstract (en)
[origin: WO03100151A1] Pile weatherstripping has a pile of yarn segments (20) which are attached to a flexible plastic backing strip (1) by ultrasonic welding (21) of the pile thereto. Loops of the yarn (20) are captured in a channel (16) on one side of the backing strip. This channel is formed by extracting flanges (15) from the backing strip by a cutting tool (Fig. 8) having a pair of chiseled cutting surfaces (2a, 2b) tapering inwardly and spaced from each other. The backing strip is preferably wound on a capstan (9) in a plurality of turns so as to feed the strip past the cutting tool. The cutting tool leaves notches along the channel on the outside of the flanges. The base of the channel is unaffected by the cutting tool and presents a stress-free surface at which the yarn is welded. The notches improve the bending strip flexibility of the backing so as to facilitate insertion of the weatherstrip into a T-slot (22).

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