

Title (en)

Method and apparatus for coiling pile weatherstrip on a reel.

Title (de)

Verfahren und Vorrichtung zum Aufwickeln eines Haarflordichtungstreifens.

Title (fr)

Procédé et dispositif pour bobiner un bourrelet d'étanchéité à poils.

Publication

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Application

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Priority

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Abstract (en)

Two methods and apparatus for coiling pile weatherstrip (9) on a reel (1 or 2) are disclosed, so that the weatherstrip is fed to the reel under little or no tension, so that the pile is not crushed when on the reel. The weatherstrip (9) is advanced either by means of a pair of nip rollers (31,33) or by a smooth surfaced capstan (53) around which there are several turns of weatherstrip, and it is then placed on the rotating reel (1 or 2) by a head (10) on the end of an arm which can move in two different planes to place the weatherstrip in parallel adjacent rows and concentric layers on the reel (1 or 2). The capstan is rotated at a constant speed which is such that weatherstrip is fed therefrom at a rate which is never less than the speed with which the weatherstrip passing through the head (10) is placed on the reel (2), whereas the nip rollers (31,33) have their speed controlled by a tension sensing control roller (37) mounted on an arm (41) connected to a rotary roller speed control device (43). This ensures that the weatherstrip is never placed on the reel (1 or 2) under tension.

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