

Title (en)

PROCESS FOR CREATING ADHESION ELEMENTS ON A SUBSTRATE MATERIAL

Title (de)

VERFAHREN ZUM HERSTELLEN VON HAFTELEMENTEN AUF EINEM TRÄGERMATERIAL

Title (fr)

PROCEDE POUR REALISER DES ELEMENTS ADHESIFS SUR UN MATERIAU DE SUPPORT

Publication

EP 1729607 B1 20140910 (DE)

Application

EP 04722156 A 20040320

Priority

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Abstract (en)

[origin: WO2005087033A1] The invention relates to a process for creating adhesion elements on a substrate material (10) using at least one plastics material which is introduced into at least one shaping element (12). By producing adhesion elements with flared ends which adhere primarily as a result of van der Waals forces, the excellent adhesion characteristics of a gecko's foot are achieved in a biomechanical model without having to separate the setae fibres as in nature.

IPC 8 full level

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CPC (source: EP US)

A44B 18/0049 (2013.01 - EP US); **A44B 18/0065** (2013.01 - EP US)

Citation (examination)

- WO 03099951 A2 20031204 - MAX PLANCK GESELLSCHAFT [DE], et al
- WO 03095190 A1 20031120 - CALIFORNIA THE REGENTS OF THE [US], et al

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DE102017102609A1; DE102017115704A1

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DOCDB simple family (publication)

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DOCDB simple family (application)

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