

Title (en)

Apparatus for making multiple hook fastener media.

Title (de)

Vorrichtung zur Herstellung eines Hkchenhaftverschlusselementes.

Title (fr)

Dispositif de fabrication d'un lment de fermeture  crochets multiples.

Publication

EP 0252175 A1 19880113 (EN)

Application

EP 86109289 A 19860708

Priority

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Abstract (en)

Apparatus for making multiple hook-fastener media in which many protruding hooks (H) are formed at relatively high speed from suitable bendable and settable plastic material (M) which may be different from the substrate to which these pre-formed hooks are subsequently bonded. Many rows of hooks (H) are formed simultaneously, each row from a strand, for example, a monofilament of longitudinally oriented polymeric material. The formed strands are "set" into their multiple hook row configuration, and then these pre-formed rows of hooks are simultaneously bonded to the substrate. Thus, an attractive substrate of any reasonable width, for example, of three inches, six inches, a foot or a yard, may be used. The production apparatus enables the number of hooks per square inch, either longitudinally or laterally or both, to be adjusted while running. The shank (S) of each hook (H) includes two legs, (23, 24) and the production apparatus can be adjusted while running for making hooks with crossed legs, uncrossed legs or divergent legs for achieving varieties of configurations and characteristics, as desired for various applications. Advantageously, the production can be changed for making taller or shorter hooks and for making hooks with differently shaped arcuate ends by exchanging one pair of meshing (interdigitating) shaping belts for another.

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A44B 18/00

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Citation (search report)

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