

Title (en)  
SELF-MATING RECLOSABLE MECHANICAL FASTENER AND BINDING STRAP

Title (de)  
WIEDERVERSCHLIESSBARER KLETTVERSCHLUSS UND DAMIT AUSGESTATTETER BÜNDELUNGSRİEMEN

Title (fr)  
FIXATION ET BANDE DE FERMETURE MECANIQUE S'ACCROCHANT SPONTANEMENT

Publication  
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Application  
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Abstract (en)  
[origin: WO0158302A1] A new self-mating mechanical fastener (10) is disclosed, which comprises a base sheet (11) and a multiplicity of parallel, narrowly spaced, elastically deformable ribs (12) projecting from the base sheet. The ribs comprise a stem portion (14) attached to and substantially upright from the base sheet and at least one flange (15, 16) attached to each side of the stem portion and spaced from the base sheet. At least the outer portions of the flanges desirably project toward the base sheet. The cross-sectional profile formed by the ribs is substantially uniform over the length of the ribs, but in the direction transverse to the ribs has a regularly repeated deviation from the profile that would be formed by a full population of equally spaced, identical, undivided, symmetric ribs. An individual rib has a width that is accommodated between the stem portions of adjacent ribs but is greater than the gap between the facing flanges of adjacent ribs, whereby the ribbed surface of the fastener can be interengaged with and connected to an identical ribbed surface. The fastener can take various forms, but fasteners in elongated strap form are particularly advantageous for use as a binding strap. A method for binding at least one article is also disclosed.

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