

## Title (en)

TAPE-LIKE OPENING/CLOSING TOOL FOR ARTICLE OPENING AND METHOD FOR MANUFACTURING SAME, AND ARTICLE USING OPENING/CLOSING TOOL

## Title (de)

BANDFÖRMIGES ÖFFNUNGS-/SCHLIESSWERKZEUG FÜR ARTIKELÖFFNUNG UND VERFAHREN ZUR HERSTELLUNG DAVON UND ARTIKEL MIT DEM ÖFFNUNGS-/SCHLIESSWERKZEUG

## Title (fr)

OUTIL D'OUVERTURE/FERMETURE DE TYPE BANDE POUR OUVERTURE D'ARTICLE ET SON PROCÉDÉ DE FABRICATION, ET ARTICLE UTILISANT UN OUTIL D'OUVERTURE/FERMETURE

## Publication

**EP 4144249 A4 20240424 (EN)**

## Application

**EP 21796334 A 20210426**

## Priority

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## Abstract (en)

[origin: EP4144249A1] It is an object of the present invention to reduce generation of rust on magnets and breakage of tape due to intrusion of moisture, by heating and shrinking a heat-shrinkable resin tube used in a tape-shaped opening/closing tool including the magnets. The present invention relates to a tape-shaped opening/closing tool for an opening portion of an article. The tape-shaped opening/closing tool includes: a heat-shrinkable resin tube; a plurality of magnets arranged in the tube at regular intervals, wherein the magnets are enclosed in the tube in such a manner as to be positionally fixed by resin after the resin has been shrunk using heat. A method of the present invention is a method for manufacturing a tape-shaped opening/closing tool for an opening portion of an article, the method includes the steps of preparing a heat-shrinkable resin tube (12); arranging a plurality of magnets (13) in the tube at regular intervals; and heating and heat-shrinking the tube to fix the magnets.

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- [X1] JP S5617004 A 19810218 - MUROFUSHI KEIICHIROU
- [X1] KR 20020046244 A 20020620 - YUN KYONG SU [KR]
- [X1] US 2019075869 A1 20190314 - SMITH IV H WILLIAM [US], et al
- See also references of WO 2021221005A1

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