

Title (en)  
HAIR HOLDER, METHOD FOR MANUFACTURING HAIR HOLDER, AND HAIR TREATMENT METHOD USING HAIR HOLDER

Title (de)  
HAARHALTER, VERFAHREN ZUR HERSTELLUNG EINES HAARHALTERS UND HAARBEHANDLUNGSVERFAHREN UNTER VERWENDUNG DES HAARHALTERS

Title (fr)  
PORTE-CHEVEUX, PROCÉDÉ DE FABRICATION DE PORTE-CHEVEUX ET PROCÉDÉ DE TRAITEMENT DE CHEVEUX UTILISANT UN PORTE-CHEVEUX

Publication  
**EP 4011238 A4 20230823 (EN)**

Application  
**EP 20852747 A 20200804**

Priority  
• JP 2019031729 W 20190809  
• JP 2020029828 W 20200804

Abstract (en)  
[origin: EP4011238A1] A hair holder (1) includes a tubular body (2) constructed in such a manner that a hair bundle (H) is insertable from an opening (1a) at one end toward an opening (1b) at the other end. The hair holder (1) has a longitudinal direction (X) and a width direction (Y). The hair holder (1) is constructed in such a manner that the hair holder can be rolled up along the longitudinal direction (X). The hair holder (1) includes a first sheet (21) to be located on an inner side in the rolled-up state, and a second sheet (22) to be located on an outer side. One or both of the two sheets (21, 22) satisfies at least one of condition (1) or (2) below: (1) the sheet includes a polyester-based nonwoven fabric, and the sheet's storage modulus E' in dynamic viscoelasticity measured at 100 °C at a frequency of 1 Hz is 50 MPa or greater; or (2) the sheet includes a polyester-based nonwoven fabric, and the sheet's storage modulus E' in dynamic viscoelasticity measured at 150 °C at a frequency of 1 Hz is 19.2 MPa or greater.

IPC 8 full level  
**A45D 2/18** (2006.01); **A45D 7/02** (2006.01); **D04H 3/011** (2012.01)

CPC (source: CN EP US)  
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Citation (search report)  
• [Y] WO 2019131734 A1 20190704 - KAO CORP [JP]  
• [Y] US 2018044507 A1 20180215 - YOSHIDA SHOHEI [JP], et al  
• [I] JP 2005246040 A 20050915 - KAO CORP  
• [A] US 2008302381 A1 20081211 - TOJO TAKEHIKO [JP], et al  
• See references of WO 2021029278A1

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
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**EP 20852747 A 20200804**; CN 202080053686 A 20200804; JP 2020029828 W 20200804; JP 2020563793 A 20200804; TW 109126920 A 20200807; US 202017622987 A 20200804