

Title (en)
LIQUID-CONTAINING CAPSULES AND TOBACCO ARTICLE PROVIDED WITH SAID CAPSULES

Title (de)
FLÜSSIGKEITSHALTIGE KAPSELN UND TABAKARTIKEL MIT BESAGTEN KAPSELN

Title (fr)
CAPSULES CONTENANT DU LIQUIDE ET ARTICLE DE TABAC COMPRENANT LESDITES CAPSULES

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Application
EP 13790801 A 20130426

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Abstract (en)
[origin: EP2835061A1] A capsule (22a to 22f) containing a liquid of the present invention includes a capsule body (24) in a substantially cylindrical shape, the capsule body (24) having an end wall (26), a circumferential wall (32) and an open end (28), a seal member (40) as a closure wall closing the open end (28), a central portion (30) as a thin-walled region that is formed in a center of the end wall (26), the central portion (30) having a thickness thinner than thicknesses of the end wall (26) and the circumferential wall (32), and a protrusion (36) integrally protruding from a center of the central portion (30) toward an outside of the capsule body (24).

IPC 8 full level
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Citation (search report)
• [X] EP 0491952 A1 19920701 - JAPAN TOBACCO INC [JP]
• [IA] US 2005268926 A1 20051208 - HSU WEI-CHENG [TW], et al
• [IA] JP 2005318806 A 20051117 - JO ISEI, et al
• See references of WO 2013172186A1

Cited by
US11224251B2; US11737491B2; WO2018077717A1; WO2020053388A1

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