

Title (en)
FILTER MOUNTING DEVICE

Title (de)
FILTERMONTAGEVORRICHTUNG

Title (fr)
DISPOSITIF DE MONTAGE DE FILTRE

Publication
EP 2813153 A1 20141217 (EN)

Application
EP 13767740 A 20130321

Priority
• JP 2012057724 W 20120326
• JP 2013058073 W 20130321

Abstract (en)
A filter tip attachment has a conveying path (6) configured to convey an intermediate product (IP); a first conveying drum (4) configured to convey the intermediate product (IP) while holding the intermediate product (IP); a second conveying drum (5) configured to receive the intermediate product (IP) from the first conveying drum (4) and to convey the intermediate product (IP) in the circumferential direction of the second conveying drum (5); a supply drum (9) configured to distribute a tip paper (3) and attach the head edge of the tip paper (3) to the intermediate product (IP); and a guide member (10) provided adjacent to the second conveying drum (5) along the circumferential direction of the second conveying drum (5) and configured to wind the tip paper (3) around the intermediate product (IP) by rolling the intermediate product (IP) while being in contact with the guide member (10), wherein the conveying path (6) is configured such that diameter enlarged sections, which have a diameter enlarged along the conveying path (6), are provided in portions (6a, 6b, 6c) where the conveying path (6) is narrower than the diameter of the filter plug (FP), the portions (6a, 6b, 6c) corresponding with a position where a capsules (2) is enclosed in a filter plug (FP).

IPC 8 full level
A24D 3/04 (2006.01); **A24C 5/39** (2006.01); **A24D 3/06** (2006.01)

CPC (source: EP)
A24C 5/471 (2013.01); **A24C 5/478** (2013.01)

Cited by
CN109965344A; EP2762014A3; US11252990B2; US11540558B2; WO2021123425A1; EP3315032B1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 2813153 A1 20141217; **EP 2813153 A4 20151202**; **EP 2813153 B1 20220112**; WO 2013146528 A1 20131003

DOCDB simple family (application)
EP 13767740 A 20130321; JP 2013058073 W 20130321