

Title (en)

A MACHINE FOR FORMING FILTER-BAGS FOR INFUSION PRODUCTS WITH KNOTS

Title (de)

MASCHINE ZUR HERSTELLUNG VON FILTERBEUTELN FÜR INFUSIONSPRODUKTE MIT KNOTEN

Title (fr)

MACHINE DE FORMATION DE SACHETS FILTRANTS POUR PRODUITS À INFUSION AVEC NOEUDS

Publication

**EP 3044099 A1 20160720 (EN)**

Application

**EP 14777853 A 20140905**

Priority

- IT BO20130478 A 20130909
- IB 2014064293 W 20140905

Abstract (en)

[origin: WO2015033308A1] Described is a machine (100) for forming filter-bags (1) for infusion products, comprising a station (15) for forming and joining a first portion of string (16) to a tag (17), and for positioning and joining a second portion of the string (16) to top edges (12) of a length (10) of filter material; the forming and joining station (15) comprising a unit (22) provided with two separate needles (23, 24); movement means (27) configured to move the needles (23, 24) to pierce the tag (17) in at least two points and, respectively, the top edges (12) and a fold (14) of the length (10) of filter material; a carousel (28) at least for moving and positioning at least the second portion of string (16) from a first joining zone (18) to a second joining zone (21); a first unit (29) having first gripping means (30) configured for forming, in phase coordination with the first needle (23), at least a first knot (19) with a portion of a first auxiliary string (25) and joining the tag (17) to the first portion of string (16); a second unit (31) having second gripping means (32) configured for forming, in phase coordination with the second needle (24), a second knot (20) with a portion of a second auxiliary string (26) for joining the length (10) of filter material to the second portion of string (16).

IPC 8 full level

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Citation (search report)

See references of WO 2015033308A1

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