

Title (en)  
FILLING STATION AND METHOD FOR FILLING CARTRIDGES OF ELECTRONIC CIGARETTES

Title (de)  
FÜLLSTATION UND FÜLLVERFAHREN ZUM FÜLLEN VON KARTUSCHEN ELEKTRONISCHER ZIGARETTEN

Title (fr)  
STATION DE REMPLISSAGE ET PROCÉDÉ CONÇU POUR REMPLIR DES CARTOUCHES DE CIGARETTES ÉLECTRONIQUES

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Application  
**EP 16742032 A 20160609**

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Abstract (en)  
[origin: WO2016200259A1] The present invention relates to a filling station (10) for filling cartridges of electronic cigarettes with a liquid, the filling station (10) comprising: • a rotary device (12') comprising: • a support frame (20), • a rotary conveyor (30) constructed for rotating the cartridges around a main axis (36), • an entry location (31) where the cartridges enter the rotary conveyor (30), • a filling area (32) where the cartridges are filled, wherein the filling area (32) comprises multiple cartridge positions (50) which in top view are arranged along a part of a circle, • an exit location (33) where the cartridges exit the rotary conveyor (30), • a docking station (16) into which a filling device (14) can be docked, • a plurality of filling devices (14), each filling device (14) comprising: • a support frame (21), • at least one docking coupling (17) for docking the filling device (14) in the docking station (16), • a plurality of filling nozzles assemblies (60) for simultaneously filling a group of cartridges positioned in the filling area (32) in the rotary conveyor (30), wherein in top view the filling nozzles (60) are arranged along a part of a circle in order to match with a shape of the filling area (32), • a nozzle actuator (62) for moving the filling nozzles (60) downwards and into upwardly oriented filling openings of the cartridges, wherein each filling device (14) is constructed to be undocked from the docking station (16) and to be replaced by another filling device (14).

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Citation (examination)  
• WO 2014195447 A1 20141211 - BAUSCH & STRÖBEL MASCHINENFABRIK ILSHOFEN GMBH & CO KG [DE]  
• US 8455773 B2 20130604 - TREBBI CLAUDIO [IT], et al

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