

Title (en)

Method and apparatus for collating rod-shaped articles

Title (de)

Verfahren und Vorrichtung zum Zusammentragen von stabförmigen Gegenständen

Title (fr)

Procédé et dispositif pour assembler des articles en forme de barre

Publication

EP 1626003 A1 20060215 (EN)

Application

EP 04254824 A 20040811

Priority

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Abstract (en)

Rod-shaped articles such as cigarettes are stored in a hopper (12) and transferred into a single cigarette column. The bottom cigarette in the column is pushed by an inserter rod (28) into an aperture (32) in a mandrel (30). The mandrel has a plurality of spaced apertures which can be filled with the desired collation. The mandrel is controlled by a Cartesian robot which moves the position of mandrel with respect to the inserter rod so that all the required apertures can be filled. The entire collation is then removed to a collation pocket (40) by a set of transfer rods spaced to match the apertures in the collation mandrel. In the pocket neighbouring cigarettes are brought into contact and the collation can then be packaged.

IPC 8 full level

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CPC (source: EP)

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Cited by

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