

## Notice

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### DESCRIPTION PL238817B1

#### [0001]

Description of the invention

#### [0002]

The subject of the invention is a tobacco industry device for rejecting defective rod-like articles from a mass flow, a method for rejecting defective rod-like articles from a mass flow of rod-like articles in the tobacco industry and a system for determining quality in the tobacco industry.

#### [0003]

Documents EP 0'853'045 A1 and GB 2'228'176 A disclose devices for rejecting incorrectly filled cigarettes.

In both solutions, cigarettes are placed in a gravity feeder and fed one by one in front of a fill level sensor located on the tobacco side, which checks whether the cigarette is filled correctly.

Based on the signal from the sensor, the controller decides to remove the selected cigarette by the rejection unit located further down the feeder. In the disclosed solutions, selected cigarettes are removed using pneumatic devices. Cigarettes that have not been rejected are pushed out one by one at the end of the feeder, which ensures a step-by-step flow of cigarettes in the gravity feeder.

#### [0004]