

Title (en)

Automatic gelatin capsule sorting machine

Title (de)

Automatische Maschine zum Sortieren von Gelatine kapseln

Title (fr)

Machine de tri automatique de gélules

Publication

EP 2331044 A1 20110615 (FR)

Application

EP 08875611 A 20080905

Priority

FR 2008001235 W 20080905

Abstract (en)

[origin: WO2010026300A1] The present invention relates to a machine enabling the automatic sorting of defective gelatin capsules on the basis of the diameter thereof and the weight thereof. Said device can be used on machines producing partially closed, empty gelatin capsules and at the inlet and the outlet of machines filling said gelatin capsules. Said machine enables the automatic selection and rejection of the gelatin capsules having assembly and metering defects. The device consists of a rimmed selection disk rotating on an inclined plane of about 20 degrees relative to the horizontal direction. Said disk has one or two rows of sized apertures drilled on the circumference thereof and holding said misassembled gelatin capsules until the automatic expulsion thereof through a blast nozzle. The gelatin capsules without assembly defects freely pass through the sized apertures. During the fall thereof, the gelatin capsules individually pass in front of a blast screen selecting the empty or poorly metered gelatin capsules. The gelatin capsules meeting the standards are not diverted by the air blast and are discharged from the machine via the outlet chute.

IPC 8 full level

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Citation (search report)

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