

Title (en)

Mechanical grader with a conveyor and oscillator cable, disposed in diverging windings.

Title (de)

Mechanische Sortiervorrichtung mit einem in divergierenden Windungen angeordneten Förder- und Oszillierseil.

Title (fr)

Calibreuse mécanique à fil transporteur et oscillant, disposé en spires divergentes.

Publication

EP 0340140 A1 19891102 (FR)

Application

EP 89480069 A 19890428

Priority

FR 8806081 A 19880429

Abstract (en)

The apparatus is composed of rollers of axis (a), (d), (e), (b) and (c) which are horizontal and parallel and are supported between two rails (20) and (21) mounted on feet and assembled by the cross-members (27), (28), (29). The grading is effected by the diverging translational motion of the conveying wire, guided by grooves, from the roller of axis (a) to the roller of axis (b). The wire is wound in two sets of turns circling alternately, one the rollers of axis (a), (d), (e), (b) and the other the latter rollers plus the roller (c). Looped over itself and held taut by the screws (54), the wire forms three layers and intersects without touching. On the rollers of axis (d) and (e), the grooves are off-centred in order to cause the wire to oscillate and to facilitate the grading, the graded product being recovered in receptacles beneath the layers. The apparatus according to the invention is intended, in particular, for the grading of table mouldings. The model described has a space requirement of 0.15 m³, weighs 20 kg and has a power consumption of 50 W for a capacity of 400 kg/h. <IMAGE>

IPC 1-7

B07B 13/065

IPC 8 full level

B07B 13/065 (2006.01)

CPC (source: EP)

B07B 13/065 (2013.01)

Citation (search report)

- [AD] US 3002618 A 19611003 - DERDERIAN EDWARD J, et al
- [AD] US 2526161 A 19501017 - SAMMIS LOUIS B, et al
- [AD] FR 652902 A 19290314
- [AD] US 1534663 A 19250421 - SAMMIS LOUIS B, et al
- [AD] FR 1076299 A 19541025 - NERVUS PARIS

Cited by

ES2151349A1; CN104028471A; CN108580310A; CN112774995A

Designated contracting state (EPC)

ES GR IT

DOCDB simple family (publication)

EP 0340140 A1 19891102; FR 2630666 A1 19891103; FR 2630666 B1 19911115

DOCDB simple family (application)

EP 89480069 A 19890428; FR 8806081 A 19880429