

Title (en)
AUTO-GATING APPARATUS

Title (de)
AUTOMATISCHER GATTERAPPARAT

Title (fr)
APPAREIL À SYNCHRONISATION AUTOMATIQUE

Publication
EP 3415450 A1 20181219 (EN)

Application
EP 18177101 A 20180611

Priority
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Abstract (en)
Gating apparatus 10 is for supplying a product 12 from a stack 14 of the products 12. The apparatus 10 comprises a drive belt or roller 16, an auto-gating roller 18 located adjacent to the drive belt or roller 16, a mounting roller 20 arranged to mount the auto-gating roller 18 and a mechanism 22 arranged to apply a force to the mounting roller 20. The drive belt or roller 16 is arranged to contact a product 12a at the bottom of the stack 14 of the products 12, the drive belt or roller 16 for feeding the product 12a at the bottom of the stack 14 of the products 12 away from the stack 14 of products 12. The auto-gating roller 18 is arranged to contact the opposite side of the product 12a at the bottom of the stack 14 of the products 12 from the drive belt or roller 16, the auto-gating roller 18 prevented from rotating in the direction of travel of the product 12a at the bottom of the stack 14 of the products 12 being fed by the drive belt or roller 16. The mounting roller 20 is arranged to mount the auto-gating roller 18 off-centre on the mounting roller 20, the mounting roller 20 arranged to rotate in the direction of travel of the product 12a at the bottom of the stack 14 of the products 12 being fed by the drive belt or roller 16. The mechanism 22 is arranged to apply a force to the mounting roller 20, the force acting against the rotation of the mounting roller 20 in the direction of travel of the product 12a at the bottom of the stack 14 of the products 12 being fed by the drive belt or roller 16.

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Designated contracting state (EPC)
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