

Title (en)
SYSTEM FOR THE SURFACE TREATMENT OF SEMI-FINISHED WORKPIECES

Title (de)
SYSTEM ZUR OBERFLÄCHENBEHANDLUNG VON HALBFERTIGEN WERKSTÜCKEN

Title (fr)
SYSTÈME POUR LE TRAITEMENT DE SURFACE DE PIÈCES SEMI-FINIES

Publication
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Application
EP 22160745 A 20220308

Priority
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Abstract (en)
A system for the surface treatment of semi-finished workpieces, comprising a sequence of work stations (Si), a linear horizontal belt or chain conveyor (100) having a continuous direction of movement (X) along longitudinal sliding guides (101A, 101B), a series of vertical spindles (200i) for supporting said semi-finished workpieces (10i), wherein the vertical spindles (200i) are mounted in longitudinal succession on the linear conveyor (100) configured and disposed for the conveyance of the semi-finished workpieces (10i) through the sequence of work stations (Si), wherein at least one work station (S1) has a releasable clamping means (300) of the vertical spindles (200i), wherein said releasable clamping means (300) is configured and disposed so as to block the oscillations and/or rotations of the vertical spindles (200i) with respect to the direction of movement (X) of the linear conveyor (100) during the transit of the vertical spindles (200i) through the work station (S1).

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Citation (search report)

- [XAI] DE 19738820 A1 19990311 - HERBOLD PETER DIPL ING [DE]
- [XAI] US 2547884 A 19510403 - PAASCHE JENS A
- [XAI] US 2019275682 A1 20190912 - KIRCHNER MARC WALTER [DE]
- [XAI] US 2016016735 A1 20160121 - BINDER DIETMAR [DE], et al
- [XA] DE 102017112072 A1 20170817 - EISENMANN SE [DE]
- [XAI] US 5911259 A 19990615 - BALDI VALTER [IT]
- [A] EP 1927470 A2 20080604 - STRUTZ & CO INC CARL [US]

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