

Title (en)

A DEVICE FOR AUTOMATICALLY EFFECTING THE CHARGING OF THE WORKPIECES AND THE DISCHARGING OF THE TREATED WORKPIECES IN PLANE LAPPING MACHINES WITH DOUBLE PLATEAU

Publication

EP 0312510 A3 19900711 (EN)

Application

EP 88830417 A 19881012

Priority

IT 4849287 A 19871013

Abstract (en)

[origin: EP0312510A2] A device for automatically effecting the charging and discharging of the workpieces into and out of lapping machines provided with double plateaux (2, 3) or planes which device comprises a circular charging plane (9) which carries piece-holders or satellites (4) and is located side by side near a lapping machine (1), a passage plate or table (13) inserted between said lapping machine (1) and said charging plane (9); a manipulating device intended for deducting from the lower plane (2) of the lapping machine (1) the satellites with the finished workpieces and for transferring them on said charging plate (9) by sliding over said passage table (13); a station of discharge for the finished workpieces which station is provided on said charging plane (9) and communicates with a conveying belt (35); means for rotating step by step said charging plane (9) so that the empty satellites (12) are carried in succession under a filling assembly and are brought to a station which is in line with the axis of said manipulating assembly which removes each satellite filled with the workpieces to be lapped and disposes it on the lower plateau of the lapping machine for a fresh operating cycle.

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B24B 37/04

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

- [A] FR 2152036 A5 19730420 - PAYNE PRODUCTS INTERNATI
- [A] DE 2907282 B1 19800904 - REICHMANN & SOHN ELMASCH FABRI
- [A] GB 2028194 A 19800305 - BRITISH CAST IRON RES ASS
- [A] US 2581106 A 19520101 - INDGE HERBERT S
- [A] SOVIET INVENTIONS ILLUSTRATED, Derwent Publications LTD, abstract no. 181514; & SU-A-181 514 (V.I. GREKOV)

Cited by

CN103009337A; CN108972227A; CN103949968A; DE29713515U1; EP0481826A1; EP0411643A3; US5123214A

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