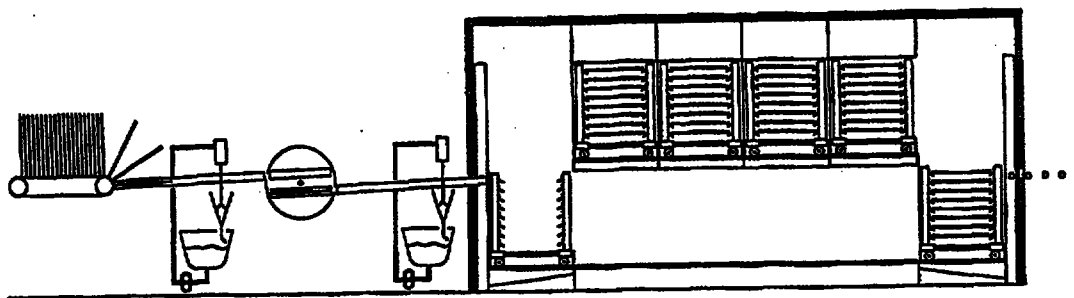


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|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |           |                                                                                                                                                                                                                  |
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| <b>(51) International Patent Classification <sup>6</sup> :</b><br><b>H05K 13/00</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <b>A1</b> | <b>(11) International Publication Number:</b> <b>WO 98/48605</b><br><b>(43) International Publication Date:</b> 29 October 1998 (29.10.98)                                                                       |
| <b>(21) International Application Number:</b> PCT/EP98/02019<br><b>(22) International Filing Date:</b> 7 April 1998 (07.04.98)<br><br><b>(30) Priority Data:</b><br>97106808.5      24 April 1997 (24.04.97)      EP<br><b>(34) Countries for which the regional or international application was filed:</b> AT et al.<br><br><b>(71) Applicant:</b> CIBA SPECIALTY CHEMICALS HOLDING INC. [CH/CH]; Klybeckstrasse 141, CH-4057 Basel (CH).<br><b>(72) Inventor:</b> KUSTER, Kaspar, Erlenstrasse 27, CH-4106 Therwil (CH).<br><b>(74) Agent:</b> ZUMSTEIN & KLINGSEISEN; Postfach 10 15 61, D-80089 München (DE). |           | <b>(81) Designated States:</b> CA, CN, JP, KR, SG, European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE).<br><br><b>Published</b><br><i>With international search report.</i> |

**(54) Title:** APPARATUS FOR THE COATING OF FLAT-FORM SUBSTRATES, ESPECIALLY OF PRINTED CIRCUIT BOARDS**(57) Abstract**

An apparatus for the coating of flat-form substrates, especially of printed circuit boards, solder masks and the like, wherein there is arranged between two coating stations a turning station for the printed circuit boards, which are conveyed on a transporter pathway through the coating stations and the turning station, wherein in the turning station (4) there are provided in the same plane as the incoming transporter pathway (2) receiving elements (5) located, spaced apart, opposite one another, which enter into engagement with the edge of a printed circuit board (11) or a holding element attached to the printed circuit board, it being possible to pivot those receiving elements (5) through 180° so that, when the printed circuit board is discharged, they again lie in the plane of the onwards-leading transporter pathway (2').

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