

Title (en)

DEVICE AND METHOD FOR COATING A METAL STRIP SUBSTRATE ON ONE SIDE AND/OR ON BOTH SIDES

Title (de)

VORRICHTUNG UND VERFAHREN ZUM EINSEITIGEN UND/ODER BEIDSEITIGEN BESCHICHTEN EINES METALLISCHEN BANDSUBSTRATS

Title (fr)

DISPOSITIF ET PROCÉDÉ POUR LE REVÊTEMENT SUR UNE ET/OU DEUX FACES D'UN SUBSTRAT EN BANDE MÉTALLIQUE

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Application

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Abstract (en)

[origin: WO2019025145A1] The invention relates to a device (1) for coating a metal strip substrate (2) on one side and/or on both sides, comprising: a guiding apparatus (3) for guiding the strip substrate (2) along a specified movement path; a first coating apparatus (5) for coating a first main side (6) of the strip substrate (2) with an electrostatically charged coating powder (8) stored in a fluidized state, the first coating apparatus (5) being arranged at least partly geodetically under a first path section of the movement path; a second coating apparatus (9) for coating a second main side (10) of the strip substrate (2) with an electrostatically charged coating powder (8) stored in a fluidized state, the second coating apparatus (9) being arranged after the first coating apparatus (5) with respect to a direction of travel of the strip substrate (2) along the movement path; and a redirecting unit (12) for redirecting the strip substrate (2), the first path section transitioning into a second path section of the movement path by means of the redirecting unit (12), the redirecting unit (12) redirecting the strip substrate (2) in such a way that the strip substrate (2) in the second path section travels oppositely to the strip substrate (2) in the first path section, and the second coating apparatus (9) being arranged at least partly geodetically under the second path section.

IPC 8 full level

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Citation (search report)

See references of WO 2019025145A1

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