

Title (en)

INSTALLATION AND METHOD FOR MAKING COATED FLAT PIECES, IN PARTICULAR FLAT METAL SHEETS

Publication

EP 0405164 A3 19920108 (DE)

Application

EP 90110253 A 19900530

Priority

- DE 3917693 A 19890531
- DE 3942978 A 19891223
- DE 4013691 A 19900428

Abstract (en)

[origin: EP0405164A2] The invention relates to an installation for making powder-coated flat components, in particular flat sheet metal components. In its overall structure, the installation consists of a charging station (1), a pretreatment station (4) with a cleaning and pretreatment zone of a drying station (9), a cooling station (13), a powder-coating station (15), a lock station (17), a drying station (18) for curing the powder coating, a further cooling station (19) and a delivery station (20) for the components treated in this installation. With this installation, flat components, in particular flat sheet metal components for equipment, vehicle bodies or the like, can be provided with a powder coating after being cut to size, before they are then subsequently fed to the further shaping process for ultimate shaping depending on the type of components. Furthermore, it is possible with this installation to apply a layer of powder to the flat sheet metal components in an additional coating stage (21) which follows the powder coating, said layer of powder serving as a lubricant aid for the subsequent shaping process.

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B05B 13/00

IPC 8 full level

B05B 13/00 (2006.01)

CPC (source: EP)

B05B 13/00 (2013.01); **B05D 2401/32** (2013.01)

Citation (search report)

- [X] US 4584859 A 19860429 - SAUNDERS WILLIAM T [US]
- [Y] EP 0201923 A2 19861120 - LICHTENBERG & CO CHEM FAB ZWEI [DE]
- [XD] METALLOBERFLÄCHE, Band 29, Nr. 1, 1975, Seiten 24-27; HOFMANN: "Die Pulverbeschichtungsanlage der Robert Bosch Hausgeräte GmbH, Giengen"

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NL1004163C2; EP0646418A1; US6833031B2; US5800615A; GB2346572A; GB2346572B; EP0858841A2; EP0951946A2; WO2008040546A3

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