

Title (en)

Energy transmitter as part of a coating and/or drying plant, especially for a paint coating

Title (de)

Energietransmitter als Bestandteil einer Beschichtungs- und/oder Trockenanlage, insbesondere für eine Lackbeschichtung

Title (fr)

Transmetteur d'énergie faisant partie d'une installation de revêtement et/ou de séchage, notamment pour un revêtement de peinture

Publication

**EP 1321731 B1 20060712 (DE)**

Application

**EP 01130788 A 20011222**

Priority

EP 01130788 A 20011222

Abstract (en)

[origin: EP1321731A1] Energy transmitter with transmitter-surface elements which include antenna elements, each element having a glass support plate, a radiation layer on the glass rear face, with its opposite free glass front face in a position for an object to be dried or a surface of a structural element with a deposited coating material. <??>An energy transmitter as a component of a coating and/or drying unit, especially for deposition of paint coatings, where the energy transmitter (1) has at least two transmitter-surface elements (TSE) (10) which include antenna elements, each element (10) has a glass support plate (11), a radiation layer (13) on the glass rear face (12), with its opposite free glass front face (17) in a position for an object to be dried or a surface of a structural element (3) with a deposited coating material, a distance from and parallel to the glass rear face (2) and a flat metal reflector (20). <??>The radiation layer (13) emits electromagnetic radiation within a frequency band, which covers at least the characteristic frequencies in the ultrared of an object to be dried or of a coating material, and the radiation layer (13) by mean of a control device (16) can be excited for emission over at least one frequency band, so that the characteristic frequencies of the object to be dried or the coating material can be excited in resonance (sic).

IPC 8 full level

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