

Title (en)

Mixing device for cylindrical containers filled with paint or lacquer.

Title (de)

Aufrührorgan für mit Farben oder Lacken gefüllte zylindrische Behälter.

Title (fr)

Dispositif de mélange pour récipients cylindriques remplis de peinture ou de laque.

Publication

EP 0013721 A1 19800806 (DE)

Application

EP 79104919 A 19791205

Priority

- DE 2903401 A 19790130
- DE 2942994 A 19791024

Abstract (en)

[origin: ES254290U] Cylindrical containers for paint or the like of the type having a hollow container body, a cap, a brush attached to the cap, and an agitator for mixing the contents of the container is improved by constructing the agitator as a tubular hollow member that is mounted within the container so as to surround the brush attached to the cap and be axially displaceable relative thereto, the agitator member having ribs that are fashioned in the manner of blades of a fan wheel and are uniformly distributed about the periphery of the agitator member with its outer edges located on an imaginary cylinder, the diameter of which is slightly smaller than the inner diameter of the container body. According to preferred embodiments, the ribs of the agitator can either be twisted helically with respect to the longitudinal axis of the hollow member or can be straight blade vanes inclined at an angle to the longitudinal axis of the agitator. According to a particularly advantageous embodiment, the axial length of the outer edges located on the imaginary cylinder are longer than the length of the tube so that the leading edges of the ribs extend inwardly at an angle with respect to the longitudinal axis from the outer edges to the hollow tube, thereby only providing localized points at the junction of the outer edges and leading edges where contacts can occur with the paint container, and the agitator cannot become stuck to the container bottom after a relatively long resting period thereon.

Abstract (de)

Es wird ein neues Aufrührorgan (9), insbesondere für Lackstifte zur Ausbesserung von Lackschäden an Kraftfahrzeugen beschrieben, das in der Art eines Gebläselaufrades mit auf dem Umfang vorgesehenen, zur Achsrichtung angestellten Schaufeln (12) versehen ist. Dieses Aufrührorgan umgibt mit einem rohrförmigen Innenteil (10) den Pinsel (6) des Lackstiftes und kann durch axiales Schütteln des Behälters die Lackflüssigkeit in eine rotierende Mischbewegung versetzen.

IPC 1-7

B44D 3/06; **B44D 3/08**

IPC 8 full level

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CPC (source: EP US)

A45D 34/045 (2013.01 - EP US); **B01F 33/253** (2022.01 - EP US); **B01F 33/5011** (2022.01 - EP US); **B01F 35/32021** (2022.01 - EP US); **B44D 3/06** (2013.01 - EP US); **B44D 3/08** (2013.01 - EP US); **B44D 3/121** (2013.01 - EP US); **B65D 51/32** (2013.01 - EP US); **A45D 2200/058** (2013.01 - EP US); **B01F 35/3202** (2022.01 - EP US)

Citation (search report)

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- DE 1161795 C
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DOCDB simple family (application)

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