

Title (en)

MIXING DEVICE FOR CYLINDRICAL CONTAINERS FILLED WITH PAINT OR LACQUER

Publication

EP 0013721 B1 19811216 (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.

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IPC 8 full level

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CPC (source: EP US)

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Cited by

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EP 0013721 A1 19800806; **EP 0013721 B1 19811216**; AU 530830 B2 19830728; AU 5431880 A 19800807; BR 8000414 A 19800930; CA 1141749 A 19830222; ES 254290 U 19810901; ES 254290 Y 19820301; US 4290706 A 19810922

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