Title (en)

System and method for dip coating a component

Title (de)

System und Verfahren zum Tauchbeschichten eines Gegenstandes

Title (fr)

Appareil et méthode pour l'enduction par trempage d'un article

Publication

EP 1712296 B1 20071128 (EN)

Application

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Priority

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Abstract (en)

[origin: EP1712296A1] The present invention relates to an apparatus (100) for dip coating a component (102), and an apparatus (200) and a method for wiping an edge of a cylindrical component (230). In the apparatus (100) for dip coating a component (102), a damping element (117) is provided between a spindle nut (113) and one of the component (102) and the tank (101) which is connected to the spindle nut (113) in order to be movable in a vertical direction. Thus, a transfer of vibrations to the component (102) and/or the tank (101) which might adversely affect the quality of a coating layer formed in the dip coating process can be reduced. In the apparatus (200) for wiping an edge of a cylindrical component (230), a plurality of first brushes (211,212,217,218) and a plurality of second brushes (209,210,219,220), respectively, are arranged around an outer circumference of a first support member (203) and an inner circumference of a second support member (202). The plurality of first brushes (211,212,217,218) is offset relative to the plurality of second brushes (209,210,219,220) in a direction of an axis (206). The first and the second brushes may be rotated around the axis (206) in order to wipe a coating layer off the cylindrical component (230). The offset allows removing portions of the coating layer having a different height from the inside and the outside of the cylindrical component (230).

IPC 8 full level

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