

Title (en)

SLUDGE-FREE ZINC PHOSPHATE COATING FORMING METHOD FOR METALLIC COMPONENTS IN SERIES

Title (de)

VERFAHREN ZUR SCHLAMMFREIEN SCHICHTBILDENDEN ZINKPHOSPHATIERUNG VON METALLISCHEN BAUTEILEN IN SERIE

Title (fr)

PROCÉDÉ DE FORMATION D'UNE COUCHE DE PHOSPHATATE DE ZINC SANS FORMATION DE BOUE POUR DES COMPOSANTS MÉTALLIQUES EN SÉRIE

Publication

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Application

**EP 17167467 A 20170421**

Priority

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Abstract (en)

[origin: CA3059807A1] The invention relates to a method for zinc phosphating components so as to form layers, said components comprising surfaces made of steel with a high tolerance against aluminum dissolved in the zinc phosphating bath, wherein the precipitation of poorly soluble aluminum salts can be largely prevented. In the method, a process is used of activating the zinc surfaces by means of dispersions containing particulate hopeite, phosphophyllite, scholzite, and/or hureaulite, wherein the proportion of particulate phosphates in the activation process must be adapted to the quantity of free fluoride and dissolved aluminum in the zinc phosphation.

IPC 8 full level

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