

Title (en)

METHOD FOR NICKEL-FREE PHOSPHATING METAL SURFACES

Title (de)

VERFAHREN ZUR NICKELFREIEN PHOSPHATIERUNG VON METALLISCHEN OBERFLÄCHEN

Title (fr)

PROCÉDÉ DE PHOSPHATATION SANS NICKEL DE SURFACES METALLIQUES

Publication

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Application

**EP 16718613 A 20160407**

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Abstract (en)

[origin: WO2016162423A1] The invention relates to a method for, essentially, nickel-free phosphating a metal surface, in which a metal surface, optionally after cleaning and/or activating, is initially treated with an acidic aqueous phosphating composition which contains zinc ions, manganese ions and phosphate ions, is optionally rinsed and/or dried, and then is treated with an aqueous post-rinsing composition which comprises at least one type of metal ions selected from the group consisting of ions from molybdenum, copper, silver, gold, palladium, tin, antimony, titanium, zirconium and hafnium and/or at least one polymer selected from the group consisting of polymer classes of polyamines, polyethylenamines, polyanilines, polyimines, polyethylenimines, polythiophenes and polypyrroles and to the mixtures and copolymerisates thereof. The invention also relates to the phosphating composition as well as to the post-rinsing composition which is essentially nickel-free.

IPC 8 full level

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