

Title (en)

PASSIVATING VIBRATORY GRINDING, IN PARTICULAR FOR ALUMINUM, MAGNESIUM AND ZINC

Title (de)

PASSIVIERENDES GLEITSCHLEIFEN, INSBESONDERE FÜR ALUMINIUM, MAGNESIUM UND ZINK

Title (fr)

POLISSAGE MÉCANO-CHIMIQUE PASSIVANT, EN PARTICULIER POUR L'ALUMINIUM, LE MAGNÉSIUM ET LE ZINC

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Application

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Priority

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Abstract (en)

[origin: WO2009068366A1] The invention relates to a method for the vibratory grinding and adhesion-promoting passivating of metal components, which at least partially comprise metals and/or alloys selected from aluminum, magnesium and/or zinc, in one operation employing an aqueous composition having a pH value between 0.3 and 3.5, containing complex fluorides of the elements of boron, silicon, titanium, zircon or hafnium individually or mixed together in concentrations of the fluoro anions of between 100 and 4000 ppm in total as a vibratory grinding medium, and to a component produced directly using this method, and to the use thereof for structural adhesion or for applying other corrosion-protecting coatings. The present invention further relates to the use of a concentrate in order to produce the vibratory grinding medium in the method according to the invention.

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