Title (en)
METHOD FOR TREATING A SURFACE OF A POLYMERIC PART BY MULTI-ENERGY IONS

Title (de)
VERFAHREN ZUR BEHANDLUNG EINER OBERFLÄCHE EINES POLYMERTEILS MIT MULTIENERGETISCHEN IONEN

Title (fr)
PROCEDE DE TRAITEMENT D'UNE SURFACE D'UNE PIECE EN POLYMERES PAR DES IONS MULTI-ENERGIES.

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Application
EP 11741627 A 20110701

Priority
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Abstract (en)
[origin: WO2012004495A1] Method for treating at least one surface of a part made of a bulk polymer into which multi-energy ions X+ and X2+ are implanted simultaneously, where X is the atomic symbol chosen from the list consisting of helium (He), nitrogen (N), oxygen(O), neon (Ne), argon (Ar), krypton (Kr), and xenon(Xe) and in which the RX ratio, where RX = X+/X2+ with X+ and X2+ being expressed in atomic percentages, is less than or equal to 100, for example less than 20. As a result of the very large reductions in the surface resistivity of the parts thus treated, antistatic properties or even electrostatic charge dissipation properties appear. As an example, the X+ and X2+ ions are supplied by an ECR source.

IPC 8 full level
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CPC (source: EP US)
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