Title (en)

SURFACE TREATMENT METHOD FOR METAL MEMBER AND METAL MEMBER OBTAINED BY SAME

Title (de)

OBERFLÄCHENBEHANDLUNGSVERFAHREN FÜR EIN METALLELEMENT UND IN DIESEM VERFAHREN BEHANDELTES METALLELEMENT

Title (fr)

PROCÉDÉ DE TRAITEMENT DE SURFACE D'UN ÉLÉMENT MÉTALLIQUE ET ÉLÉMENT MÉTALLIQUE AINSI OBTENU

Publication

EP 2677068 A1 20131225 (EN)

Application

EP 12747582 A 20120216

Priority

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- JP 2012053635 W 20120216

Abstract (en)

A surface treatment method improves the surface properties of a metal member while maintaining the metal surface texture, and a metal member is obtained by the surface treatment method. The surface-treated metal member is obtained by bringing a solution of a fluorine-based polymer into contact with a surface of an anodic oxidation coating that is formed on a surface of a metal and has not been subjected to a sealing treatment, and subjecting the anodic oxidation coating to a steam sealing treatment, the surface-treated metal member comprising a fluorine-based polymer layer having a thickness of 100 nm or less, and a composite sealed layer that is formed continuously under the fluorine-based polymer layer, the composite sealed layer having a configuration in which the fluorine-based polymer is present inside pores formed in the anodic oxidation coating.

IPC 8 full level

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CPC (source: EP US)

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