

Title (en)

TIMEPIECE COMPONENT HAVING IMPROVED TRIBOLOGICAL PROPERTIES AND METHOD FOR OPTIMISING THE TRIBOLOGICAL PROPERTIES OF A TIMEPIECE COMPONENT

Title (de)

UHRKOMPONENTE MIT VERBESSERTEN TRIBOLOGISCHEN EIGENSCHAFTEN SOWIE VERFAHREN ZUR OPTIMIERUNG DER TRIBOLOGISCHEN EIGENSCHAFTEN EINER UHR

Title (fr)

COMPOSANT HORLOGER PRESENTANT DES PROPRIETES TRIBOLOGIQUES AMELIOREES ET METHODE D'OPTIMISATION DES PROPRIETES TRIBOLOGIQUES D'UN COMPOSANT HORLOGER

Publication

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Application

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Abstract (en)

[origin: WO2018104247A1] The present invention concerns a timepiece component intended to be subject to dynamic friction, produced from a substrate comprising a silicon layer (10), the crystallographic structure of which has at least one of the forms microcrystalline, polycrystalline or amorphous, said substrate being reinforced by a protective layer (12) produced on the surface of same during a protection operation of the substrate, said component having at least one ionically implanted region (16), this region being located in the protective layer, in the substrate or distributed between the protective layer and the substrate.

IPC 8 full level

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CPC (source: EP)

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