

Title (en)
ROLLED STAINLESS STEEL OBJECT AND MANUFACTURING METHOD THEREFOR

Title (de)
GEWALZTES EDELSTAHLOBJEKT UND HERSTELLUNGSVERFAHREN DAFÜR

Title (fr)
OBJET LAMINÉ EN ACIER INOXYDABLE ET SON PROCÉDÉ DE FABRICATION

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Application
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Abstract (en)
[origin: WO2016198915A1] The invention relates to a rolled stainless steel object, characterized in that the surface thereof has a raised and indented pattern comprising a random juxtaposition of at least two types of polygons (4). Each of said polygons (4) has at least three sides, a surface area of between 1 and 9 mm², and a difference between its smallest and largest dimension of between 0.5 and 3 mm. Each polygon (4) is made up of substantially parallel rectilinear scratches (5) that have a depth of from 5 to 30 µm and are separated by ridge lines (6), have axes that are from 0.1 to 0.3 mm from each other, and a Fourier transform spectral analysis of which scratches, carried out on a square of at least 100 mm², shows that they have an isotropy of at least 40% between the rolling direction and the sideways direction, and two adjacent preferred angular orientations of which scratches, from among the three main preferred angular orientations thereof, are spaced apart by a minimum of 20° and a maximum of 60°.

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