

Title (en)
STEEL SUBSTRATE FOR PAINTED PARTS

Title (de)
STAHLSUBSTRAT FÜR LACKIERTE TEILE

Title (fr)
SUBSTRAT EN ACIER POUR PIÈCES PEINTES

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Application
EP 17780780 A 20171013

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Abstract (en)
[origin: WO2018073117A1] The invention relates to a steel strip, sheet or blank used for painted parts, wherein the steel strip, sheet or blank is optionally metallic coated. According to the invention the steel is an Ultra Low Carbon (ULC) steel type having a composition of (in weight%): C: max 0.007; Mn: max 1.2; Si: max 0.5; Al: max 0.1; P: max 0.15; S: 0.003-0.045; N: max 0.01; Ti, Nb, Mo: if $Ti \geq 0.005$ and $Nb \geq 0.005$: $0.06 \leq 4Ti + 4Nb + 2Mo \leq 0.60$; otherwise $0.06 \leq Ti + 2Nb + 2Mo \leq 0.60$; and one or more of the optional elements: Cu: max 0.10; Cr: max 0.06; Ni: max 0.08; B: max 0.0015; V: max 0.01; Ca: max 0.01; Co: max 0.01; Sn: max 0.01; resulting in a delta Waviness $\Delta W_{sa} \leq 0,12 \mu m$ of the surface after the forming of the strip, sheet or blank.

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