

Title (en)
COMPONENT MADE OF B-ZR ALLOY STEEL

Title (de)
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Title (fr)
ÉLÉMENT EN ACIER ALLIÉ À BASE DE B-ZR

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Application
EP 22826100 A 20221201

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Abstract (en)
[origin: WO2023099654A1] The invention relates to a component comprising a part made of steel, the steel comprising, inter alia, 0.30 – 0.50 wt.% C, 0.05 – 1.3 wt.% Mn, 0.001 – 0.015 wt.% P, 0.001 – 0.015 wt.% S, 0.01 – 0.8 wt.% Si, 0.3 – 1.5 wt.% Cr, 0.005 – 0.40 wt.% V, 0.0008 – 0.0050 wt.% B, 0.02 – 0.35 wt.% Al, 0.0001 – 0.0200 wt.% N, 0.01 – 0.08 wt.% Ti, and 0.0030 – 0.0800 wt.% Zr, the remainder being iron and unavoidable impurities, wherein the B content in the steel at a depth of 5 - 60 µm is \geq 80% of the B content in the steel at a depth of 500 µm.

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