

Title (en)

USE OF A Q AND P STEEL FOR PRODUCING A SHAPED COMPONENT FOR HIGH-WEAR APPLICATIONS

Title (de)

VERWENDUNG EINES Q UND P-STAHLS ZUR HERSTELLUNG EINER GEFORMTEN KOMPONENTE FÜR VERSCHLEISSANWENDUNGEN

Title (fr)

UTILISATION D'UN ACIER TREMPÉ ET REVENU (Q ET P) POUR LA FABRICATION D'UN ÉLÉMENT MIS EN FORME POUR DES APPLICATIONS D'USURE

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Application

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Priority

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Abstract (en)

[origin: WO2019037838A1] The invention relates to a use of a Q&P steel for producing a shaped component (2) for high-wear applications, wherein the Q&P steel has a hardness of at least 230 HB, in particular at least 300 HB, preferably at least 370 HB, and a bending angle α of at least 60°, in particular at least 75°, preferably at least 85°, determined according to VDA238-100, and/or a bending ratio of $r/t < 2.5$, in particular $r/t < 2.0$, preferably $r/t < 1.5$, wherein t corresponds to the material thickness of the steel and r corresponds to the (inner) bending radius of the steel.

IPC 8 full level

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