

Title (en)
WEARING PART

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Application
EP 82111762 A 19821217

Priority
AT 555781 A 19811224

Abstract (en)
[origin: US4599281A] There is disclosed a wearing part comprising a basic body, a coating applied directly to the basic body or to a backing provided on the basic body and which coating consists of one or a plurality of layers of oxycarbides and/or oxynitrides and/or oxyborides and/or oxyboron nitrides and/or oxyboron carbon nitrides of the elements Ti, Zr, Hf, B, Si and Al and having an oxygen content in a range of from about 0.1 to about 5% by weight, alternating in each case with one or a plurality of layers of aluminum-boron mixed oxides having a boron content in a range of from about 0.01 to about 1% by weight. Compared to previously known wearing parts provided with multi-layer coatings a wearing part in accordance with the present invention exhibits significantly increased resistance to wear, as well as excellent adhesive strength, with respect to the hard-material coating, thus resulting in a substantially prolonged useful life.

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CPC (source: EP US)
C23C 30/005 (2013.01 - EP US)

Citation (examination)
• PATENT ABSTRACTS OF JAPAN, unexamined applications, C Field, vol. 5, no. 195, 11. Dezember 1981, THE PATENT OFFICE JAPANESE GOVERNMENT, page 26 C 83
• PATENT ABSTRACTS OF JAPAN, unexamined applications, C Field, vol. 5, no. 58, 21. April 1981, THE PATENT OFFICE JAPANESE GOVERNMENT, page 46 C 51
• PATENT ABSTRACTS OF JAPAN, unexamined applications, C Field, vol. 5, no. 49, 8. April 1981, THE PATENT OFFICE JAPANESE GOVERNMENT, page 95 C 49

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