

Title (en)

HARD METAL BODY, IN PARTICULAR A CUTTING TOOL

Publication

EP 0149449 B1 19880518 (DE)

Application

EP 84890252 A 19841220

Priority

AT 449483 A 19831222

Abstract (en)

[origin: EP0149449A1] 1. A hard-metal body, in particular a hard-metal cutting tool, with a coating on the basis of carbides and/or nitrides of elements of Sub-Groups IV to VI of the Periodic System and at least one further coating on the basis of aluminium oxide and/or zirconium oxide, characterized in that the substrate of the base body has directly applied to it a first coating formed by one or more layers with at least one layer having from 0.1 to 2.5 atom % aluminium and from 0.1 to 8.0 atom % oxygen - of oxycarbide, oxycarbonitride or oxynitride of at least one of the elements Ti, Zr, Hf, V, Nb, Ta and Cr, over which a second oxidic coating of one or more layers of aluminium oxide and/or zirconium oxide is applied.

IPC 1-7

B32B 15/00; **C23C 14/24**; **C23C 14/08**; **C22C 29/00**; **B24D 3/00**

IPC 8 full level

C23C 30/00 (2006.01)

CPC (source: EP)

C23C 30/005 (2013.01)

Citation (examination)

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DE102008026358A1; US7264668B2; DE102010039035A1; EP0302984A1; US7431998B2; FR2600551A1; GB2276176A; US5449547A; GB2276176B; US9028954B2

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