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(54) Title: CUTTING TOOLS WITH Al-Cr-B-N / Ti-Al-N MULTILAYER COATINGS

(57) Abstract: The present invention relates to a multilayer coating system deposited on at least a portion of a solid body surface and containing in the multilayer architecture Al-Cr-B-N individual layers deposited by means of a physical vapour deposition method characterized in that in at least a portion of the overall thickness of the multilayer coating system the Al-Cr-B-N individual layers are combined with Ti-Al-N individual layers, wherein the Al-Cr-B-N and Ti-Al-N individual layers are deposited alternately one on each other, and wherein the thickness of the Al-Cr-B-N individual layers is thicker than the thickness of the Ti-Al-N individual layers, and thereby the residual stress of the multilayer coating system is considerably lower in comparison to the residual stress of the corresponding analogical Al-Cr-B-N monolayer coating.



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