

Title (en)

METHOD FOR DELAMINATION OF CERAMIC HARD MATERIAL LAYERS FROM STEEL AND CEMENTED CARBIDE SUBSTRATES

Title (de)

VERFAHREN ZUM ENTSCHICHTEN VON KERAMISCHEN HARTSTOFFSCHICHTEN VON STAHL- UND HARTMETALL-SUBSTRATEN

Title (fr)

PROCÉDÉ D'ENLÈVEMENT DE COUCHES EN MATÉRIAU CÉRAMIQUE DUR DE SUBSTRATS EN ACIER ET EN MÉTAL DUR

Publication

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Application

EP 14711234 A 20140318

Priority

EP 2014055376 W 20140318

Abstract (en)

[origin: WO2015139731A1] In order to improve a method for delamination of ceramic hard material layers from steel and cemented carbide substrates having a ceramic hard material layer on part of the surface thereof and to make it amenable to further applications, it is proposed that the workpieces (10) to be laminated – preferably having a portion without a ceramic hard material layer – be introduced into guard elements, preferably protective plugs, which fit the diameter and height and be inserted into a holder (50), the holder along with the workpieces (10) to be laminated be contacted with the plus pole of a power pulse generator, an either acidic or basic electrolytic bath (30) be selected, the contact-connected holder be placed into the selected electrolytic bath (30), at least one electrode (20) be positioned at a predetermined distance from the holder and the latter be contacted with the negative pole of the power pulse generator (40), the delamination is conducted by means of the pulse generator, with endpoint recognition being conducted continuously or checking for delamination being conducted at time intervals.

IPC 8 full level

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CPC (source: EP KR US)

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