

Title (en)  
TOOL FOR MACHINING TIRE PROFILES

Title (de)  
WERKZEUG ZUM BEARBEITEN VON RADREIFENPROFILEN

Title (fr)  
OUTIL POUR USINER DES PROFILES DE PNEUMATIQUE DE ROUE

Publication  
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Application  
**EP 05783441 A 20050825**

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Abstract (en)  
[origin: WO2006027114A1] The invention relates to a tool comprising a cylindrical (22) or mushroom-shaped (9) cutting plate made of a hard material such as hard metal or cutting ceramics, which is fastened to a cutter support (8, 16, 23), which is mounted in a tool support that can be displaced in the X and Z direction of a lathe. The cutter support (8, 16, 23) is arranged at an acute angle (a) to the tangent (13, 20, 33) on the circle of a cut in a plane (4) perpendicularly passing through a workpiece profile (1) and can rotate and be driven about its longitudinal axis (12, 19, 31). The inventive tool makes it possible to cause, in all working areas of the reprofiling of wheels of wheelsets of railway vehicles, the breaking of the cuttings and has the simple most possible design that is operationally reliable. To this end, the invention provides that the tool for turning the tire profile (1) of wheels (5) of a wheelset of railway vehicles is provided on a wheelset lathe with different cutting depths during a single reprofiling step.

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