

Title (en)
TEXTILE TOOL AND MANUFACTURING METHOD FOR THE SAME

Title (de)
TEXTILWERKZEUG UND DESSEN HERSTELLUNGSVERFAHREN

Title (fr)
OUTIL TEXTILE ET SON PROCÉDÉ DE FABRICATION

Publication
EP 3084017 A1 20161026 (DE)

Application
EP 14809042 A 20141209

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Abstract (en)
[origin: WO2015091103A1] The tool (10) for textiles according to the invention consists of chromium steel, into which carbon has been embedded in locally varying amounts during a carbonizing process. Thermal treatment achieves a formation of martensite with the maximum achievable hardness, in particular in those zones in which larger carbon fractions have been introduced. A tool for textiles with zones of differing hardnesses can thus be produced without having to subject the individual zones with differing hardnesses to different process conditions during the production process. The hardness is controlled on the basis of the degree of deformation of the tool for textiles.

IPC 8 full level
B21G 1/00 (2006.01); **C21D 1/06** (2006.01); **C21D 1/18** (2006.01); **C21D 7/10** (2006.01); **C21D 9/26** (2006.01); **C22C 38/18** (2006.01); **C23C 8/22** (2006.01)

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Citation (search report)
See references of WO 2015091103A1

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EP 2886668 A1 20150624; EP 2886668 B1 20181212; BR 112016013426 B1 20210309; CN 106062218 A 20161026; CN 106062218 B 20210817; EP 3084017 A1 20161026; EP 3084017 B1 20190130; ES 2707585 T3 20190404; ES 2713375 T3 20190521; HU E041641 T2 20190528; JP 2017512248 A 20170518; JP 6556141 B2 20190807; KR 102414280 B1 20220629; KR 20160101015 A 20160824; MX 2016008153 A 20170227; MX 369012 B 20191024; PL 3084017 T3 20190628; PT 2886668 T 20190204; PT 3084017 T 20190314; RU 2016129123 A 20180124; RU 2682264 C1 20190318; SI 2886668 T1 20190329; SI 3084017 T1 20190430; TR 201902562 T4 20190321; TW 201540848 A 20151101; TW I544087 B 20160801; US 10487429 B2 20191126; US 2016319472 A1 20161103; WO 2015091103 A1 20150625

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