

Title (en)

APPARATUS AND METHOD FOR MANUFACTURING TUBULAR SUPPORTS OF DIAMOND BEADS OF A CUTTING WIRE USABLE FOR CUTTING STONE MATERIAL, AND CUTTING WIRE OBTAINED BY SAID APPARATUS AND METHOD

Title (de)

VORRICHTUNG UND VERFAHREN ZUR HERSTELLUNG VON ROHRFÖRMIGEN TRÄGERN AUS DIAMANTPERLEN AUS EINEM SCHNEIDEDRAHT ZUM SCHNEIDEN VON STEINMATERIAL SOWIE MIT DIESER VORRICHTUNG UND IN DIESEM VERFAHREN HERGESTELLTER SCHNEIDEDRAHT

Title (fr)

APPAREIL ET MÉTHODE DE FABRICATION DE SUPPORTS TUBULAIRES DE GRAINS DE DIAMANT D'UN FIL DE COUPE POUVANT ÊTRE UTILISÉ POUR COUPER DU MATÉRIAU PIERRE, ET FIL DE COUPE OBTENU GRÂCE AUXDITS APPAREIL ET MÉTHODE

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Application

EP 13767097 A 20130717

Priority

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- IB 2013055878 W 20130717

Abstract (en)

[origin: WO2014013450A1] A method for manufacturing tubular supports (4) designed to support respective diamond cutting members (3) to obtain diamond beads (5) coupled to a flexible support structure (2) for manufacturing a wire (1) for cutting slabs from blocks of stone material. The method comprises the following steps: providing at least one metallic laminar element (6) defining a longitudinal axis (R) that includes a pair of edges (7) at opposite sides with respect to the axis (R); bending the at least one metallic laminar element (6) around the axis (R) up to the reciprocal matching of said edges (7); permanently joining the edges (7); obtaining the tubular support (4). Upon the bending step the at least one laminar metallic element (6) includes at least one operative face (10) having a plurality of grooves and/or recesses (11) spaced apart each other susceptible to define the inner wall (12) of the tubular support (4). The grooves and/or recesses (11) are made so as to define a plurality of receptacles (11') susceptible to house the polymeric material of the spacer elements (9) upon manufacturing the cutting wire (1).

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

See references of WO 2014013450A1

Citation (examination)

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