

Title (en)

METHOD FOR PRODUCING A SCREW, AND SCREW

Title (de)

VERFAHREN ZUR HERSTELLUNG EINER SCHRAUBE UND SCHRAUBE

Title (fr)

PROCÉDÉ DE FABRICATION D'UNE VIS ET VIS

Publication

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Application

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Abstract (en)

[origin: CA3172948A1] The invention relates to a method for producing a screw (10), having the following steps: a. rolling a screw wire made of low-alloy carbon steel to produce a screw (10) having a thread, b. heating the entire screw (10) to an austenitizing temperature under a carbon atmosphere and/or nitrogen atmosphere and maintaining the temperature, c. quenching the entire screw (10) to a bainitizing temperature and maintaining the bainitizing temperature until the screw has a bainitic structure over its cross section. The invention is characterized in that the screw (10) is subsequently hardened locally at its tip (22), by the tip (22) being heated to an austenitizing temperature and the screw (10) being subsequently quenched to a temperature below the martensite starting temperature (Ms).

IPC 8 full level

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