

Title (en)

Process for manufacturing engine starting motor shafts

Title (de)

Herstellungsverfahren für Anlassermotor Zahnstange

Title (fr)

Procédé de fabrication d'axes de démarrage de moteur

Publication

EP 2108711 A1 20091014 (EN)

Application

EP 08425239 A 20080410

Priority

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Abstract (en)

The present invention refers to a process for manufacturing engine starting motor shafts, comprising the steps of: - providing a raw workpiece made of a C45EC-grade steel made of a material having a chemical composition comprising the following elements as percentages referred to the total weight of the raw workpiece: from 0.32 to 0.45 weight-percent of C; from 0.73 to 0.80 weight-percent of Mn; from 0 to 0.013 weight-percent of Si; from 0 to 0.10 weight-percent of P; from 0 to 0.10 weight-percent of S; - submitting said raw steel workpiece to a single cold-forming cycle to produce an intermediate workpiece adapted to undergo subsequent surface machining or chemical-physical finishing treatments.

IPC 8 full level

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CPC (source: EP)

B21K 1/066 (2013.01); **B21K 1/12** (2013.01); **C22C 38/00** (2013.01); **C22C 38/04** (2013.01)

Citation (search report)

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