

Title (en)

Process and device for improving the fatigue resistance of helicoidal springs under compression and springs obtained by this process.

Title (de)

Verfahren und Vorrichtung zur Verbesserung der Dauerfestigkeit einer zusammengedrückten Schraubenfeder und durch dieses Verfahren hergestellte Feder.

Title (fr)

Procédé et dispositif d'amélioration de la résistance à la fatigue des ressorts hélicoïdaux de compression et ressorts obtenus par ce procédé.

Publication

**EP 0404674 A1 19901227 (FR)**

Application

**EP 90401744 A 19900620**

Priority

FR 8908222 A 19890620

Abstract (en)

The invention relates to a device for improving the fatigue resistance of a helical compression spring (1) by the shot-blasting of the inner surfaces of said spring, comprising a shot distributor (2) and a moveable shot-projecting member (3) arranged coaxially within said spring and means for the compression of said spring, characterised in that said moveable shot-projecting member (3) comprises a cylindrical rotor (5), the axis of which is substantially vertical during the shot-blasting and which is equipped on its lateral wall with peripheral blades (6, 7) designed to project the shot coming from the distributor (2) against the inner surfaces of the spring as a function of the rotational speed. <IMAGE>

IPC 1-7

**B24C 1/10**; **B24C 3/32**; **C21D 7/06**

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

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