

Title (en)

Machine for automatically manufacturing puzzle-lock compression rings

Title (de)

Vorrichtung zur automatischen Herstellung von Druckringen mit formschlüssigem Verschluss

Title (fr)

Dispositif pour la fabrication automatique de bagues de compression avec une fermeture à liaison de forme

Publication

EP 0808677 B1 20030806 (EN)

Application

EP 97107392 A 19970505

Priority

US 1802596 P 19960521

Abstract (en)

[origin: EP0808677A1] A method and machine for manufacturing compression rings in which flat band material is fed to a stamping station (40) from a feed station (10), a blank is stamped out with a mechanical connection having male and female configurations (400, 420) at opposite ends, the blank is then fed to a deformation machine (50) where it is displaced into the several axial positions of the machine in which, in a first position, the blank is predeformed into configuration permitting closing of the mechanical connection in a second position in which the blank is also deformed into its circular configuration. Preferably the thus-deformed and closed compression ring is then subjected to a swaging action in a third position before it is ejected out of the machine. <IMAGE> <IMAGE>

IPC 1-7

B21D 53/16; **B21D 39/02**

IPC 8 full level

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CPC (source: EP KR)

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Cited by

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Designated contracting state (EPC)

BE CH DE ES FR GB IT LI NL SE

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