

Title (en)

PISTON ROD AND PISTON ASSEMBLY

Title (de)

KOLBENSTANGE UND KOLBENANORDNUNG

Title (fr)

ENSEMABLE TIGE DE PISTON ET PISTON

Publication

EP 0923681 A2 19990623 (EN)

Application

EP 98932858 A 19980625

Priority

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- US 5163697 P 19970703
- US 2878098 A 19980224

Abstract (en)

[origin: WO9901677A2] A lightweight low cost damping assembly having a piston rod on which a piston is formed such that fastener elements are not needed to secure the piston onto the piston rod. Preferably, the piston rod is formed by chrome plating the exterior of a tubular steel rod except at a piston attachment portion. The piston attachment portion is specially shaped such that the piston may be formed thereon and coupled thereto by the inter-engaging of the piston with the shape of the piston attachment portion. Most preferably, the piston attachment portion is in the form of shallow grooves, knurls or dimples in the exterior of the piston rod and the piston is injection molded thereon. The material of the piston molds itself into the shape of the piston attachment portion, thereby resulting in a secure coupling between the piston and the piston rod.

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