

Title (en)
Enclosed pneumatic clamp

Title (de)
Geschlossene hydraulische Spannvorrichtung

Title (fr)
Dispositif de serrage hydraulique encapsulé

Publication
EP 0937545 A1 19990825 (EN)

Application
EP 98301257 A 19980218

Priority
EP 98301257 A 19980218

Abstract (en)
A pneumatically powered clamp (10) that completely encloses the actuating linkage assembly in a fluid-tight lubricated environment. The clamp includes a pneumatic cylinder (20) longitudinally and removably secured to a plastic body by brackets (60). The body has a bore to receive a piston rod (22), and a cavity (44) in communication with the bore. The cavity allows room for the linkage assembly to be pivotally held and cooperate in the body. The bracket substantially seals the body needing only a nylon washer (92) to establish a fluid-tight seal. The linkage means converts the linear motion of the piston rod into rotational motion in the clamp arms which are securely held outside the brackets. <IMAGE>

IPC 1-7
B25B 5/12

IPC 8 full level
B25B 5/12 (2006.01)

CPC (source: EP)
B25B 5/122 (2013.01)

Citation (search report)

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Designated contracting state (EPC)
DE FR GB IT

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