

Title (en)
Expansion plier

Title (de)
Aufweitzange

Title (fr)
Pince à emboiture

Publication
EP 1160027 A1 20011205 (FR)

Application
EP 01202022 A 20010529

Priority
FR 0006917 A 20000530

Abstract (en)
The shaping pliers for connecting copper tubes has a cap with a plastic plug (4), an axial stop (3) and a shaft (5) extending through the plug to actuate the stop for movement towards the plug. A linkage exerts a traction force on the shaft opposite to a hole formed in a washer (11) surrounding the shaft. The linkage has a handle with a cavity receiving the washer and a piston sliding in the cavity. The piston is moved by a lever hinged on the handle.

IPC 1-7
B21D 41/02

IPC 8 full level
B21D 41/02 (2006.01)

CPC (source: EP)
B21D 41/026 (2013.01)

Citation (search report)

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- [A] GB 639103 A 19500621 - HARRISON VENNING TOOL COMPANY, et al
- [A] US 4779333 A 19881025 - RABE GEORGE B [US], et al
- [A] EP 0397570 A1 19901114 - VIRAX SA [FR]
- [A] PATENT ABSTRACTS OF JAPAN vol. 1997, no. 11 28 November 1997 (1997-11-28)

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Designated contracting state (EPC)
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