

Title (en)
APPARATUS FOR EXPANDING AND FLANGING TUBES

Publication
EP 0066732 A3 19830720 (DE)

Application
EP 82104272 A 19820515

Priority
CH 370881 A 19810605

Abstract (en)
[origin: EP0066732A2] The apparatus for expanding and flanging tubes comprises a screw closure (9) to retain the tube (7) to be worked. The actual retaining device consists of two half-jaws (17) with an outer circumference of more than 180 DEG in each case. The interior diameters of these halves (17) are each adapted to the exterior diameter of the tube (7) to be worked, and are fixed by means of a bayonet closure in two members (4, 5) which can be moved away from and towards each other. A simple mandrel-like tool (13), which is equipped with one or more rollers (16) for the flanging, is sufficient for the operation of expansion. When the retaining device is not closed, a shackle (18) blocks the introduction of the tool (13). A commercial hand drill which can be moved along a guide (14) serves as a drive for the tool (13). <IMAGE>

IPC 1-7
B21D 39/12; **B21D 41/02**

IPC 8 full level
B21D 19/04 (2006.01); **B21D 39/12** (2006.01)

CPC (source: EP)
B21D 19/046 (2013.01); **B21D 39/12** (2013.01)

Citation (search report)
• [X] DE 1552050 A1 19700924 - PERNET CYRIL
• [AD] DE 2818671 A1 19781109 - ELECTRICITE DE FRANCE
• [A] FR 976499 A 19510319
• [A] DE 632985 C 19360717 - GEORGES ERNEST WAGNER

Cited by
DE3832059A1; CN110465599A

Designated contracting state (EPC)
AT BE DE GB IT NL SE

DOCDB simple family (publication)
EP 0066732 A2 19821215; **EP 0066732 A3 19830720**; CH 650706 A5 19850815; ZA 823542 B 19830427

DOCDB simple family (application)
EP 82104272 A 19820515; CH 370881 A 19810605; ZA 823542 A 19820521