

Title (en)  
TUBE EXPANDER.

Title (de)  
ROHRAUSDEHNER.

Title (fr)  
DISPOSITIF D'EVASEMENT DE TUYAU.

Publication  
**EP 0112853 A4 19841122 (EN)**

Application  
**EP 83901887 A 19830627**

Priority  
AU PF466382 A 19820701

Abstract (en)  
[origin: WO8400120A1] A tube expander of the type using an expansion die (11) comprised of segments (11A and 11B) for insertion into the end of a tube (20) to expand the diameter of the end of the tube (20) which is characterized by the insertion of the expansion die (11), which has a forward end (18), into the end of the tube (20) with the forward end (18) situated at the innermost part of the required expansion, expanding the forward end (18) of the expansion die (11) to produce a circular ridge (21) in the tube (20) and then pulling the expansion die (11) towards the end of the tube (20) to expand the tube (20) along a required length thereof, the reaction to the pulling procedure being taken by having the end of the tube (20) resting against a reaction face (7) on radially movable jaws (2) situated in a head (1), the head (1) being stationary in relation to the expansion die (11), the expansion die (11) being expanded and moved by a pull rod (8).

IPC 1-7  
**B21D 41/02**

IPC 8 full level  
**B21D 39/20** (2006.01); **B21D 41/02** (2006.01)

CPC (source: EP)  
**B21D 39/20** (2013.01); **B21D 41/026** (2013.01)

Citation (search report)

- [X] DE 1065802 C
- [X] DE 938663 C 19560202 - SCHWAHLEN JOSEF
- [A] US 2357123 A 19440829 - MAXWELL CARL A

Designated contracting state (EPC)  
BE DE FR GB

DOCDB simple family (publication)  
**WO 8400120 A1 19840119**; EP 0112853 A1 19840711; EP 0112853 A4 19841122; JP S59501197 A 19840712

DOCDB simple family (application)  
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