

Title (en)  
METHOD AND APPARATUS FOR FORMING DUCTING

Publication  
**EP 0428355 A3 19910703 (EN)**

Application  
**EP 90312319 A 19901112**

Priority  
GB 8925669 A 19891114

Abstract (en)  
[origin: EP0428355A2] The present invention provides a method for forming polygonal ducting from an initially circular cross-section duct by radially expanding a mandrel within the duct so as to cause radial deformation of the duct into the desired shape. The invention also provides a mandrel for use in the method of the invention.

IPC 1-7  
**B21D 15/02**

IPC 8 full level  
**B21D 15/02** (2006.01)

CPC (source: EP)  
**B21D 15/02** (2013.01)

Citation (search report)

- [Y] GB 1425778 A 19760218 - NIKIA AB OY
- [Y] FR 732296 A 19320915
- [A] FR 2125149 A1 19720929 - GALLAY FUTS METALLIQUES [FR]
- [A] US 3981172 A 19760921 - HESS JOHANN T, et al
- [A] US 4004444 A 19770125 - POLLART GARY M

Cited by  
EP0546632A1; US6260403B1

Designated contracting state (EPC)  
AT BE CH DE DK ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)  
**EP 0428355 A2 19910522; EP 0428355 A3 19910703**; GB 8925669 D0 19900104

DOCDB simple family (application)  
**EP 90312319 A 19901112**; GB 8925669 A 19891114