

Title (en)

Tube formation method and apparatus

Title (de)

Verfahren und Vorrichtung zum Formen von Rohren

Title (fr)

Procédé et dispositif de formation de tubes

Publication

EP 1177843 A2 20020206 (EN)

Application

EP 01300452 A 20010119

Priority

US 63142600 A 20000803

Abstract (en)

Methods and apparatus for forming products having at least one first section 102 having a first wall configuration and at least one second section 104 having a second wall configuration, the second wall configuration different from the first wall configuration. A variation in wall configuration along the axis of the tubular product 100 may be designed to be axially asymmetrical at any segment of the axis 101. <IMAGE>

IPC 1-7

B21C 1/24; **B21C 37/16**; **B21C 1/00**

IPC 8 full level

B21C 1/00 (2006.01); **B21C 1/24** (2006.01); **B21C 37/16** (2006.01)

CPC (source: EP)

B21C 1/006 (2013.01); **B21C 1/24** (2013.01); **B21C 37/16** (2013.01); **B21K 1/26** (2013.01)

Cited by

CN101853799A; EP3234203A4; EP3804872A1; US8011220B2; US7644601B2; WO2006053590A1; US8141404B2; US11980929B2; US10843246B2; US10864566B2; US10882092B2; US11697143B2; EP3713690B1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

EP 1177843 A2 20020206; **EP 1177843 A3 20030611**; AU 7820001 A 20020218; CA 2342672 A1 20020203; WO 0211917 A1 20020214

DOCDB simple family (application)

EP 01300452 A 20010119; AU 7820001 A 20010803; CA 2342672 A 20010402; US 0141553 W 20010803