

Title (en)

A method apparatus for use in forming articles from rods or bars of metal

Title (de)

Verfahren und Vorrichtung zum Herstellen von Gegenständen aus Metallstäben oder Röhren

Title (fr)

Procédé et dispositif de fabrication de produits à partir de barres ou de tubes en métal

Publication

EP 0998996 A3 20010418 (EN)

Application

EP 99307775 A 19991001

Priority

GB 9821260 A 19981001

Abstract (en)

[origin: EP0998996A2] A method of forming a basket shaped article from a plurality of metal bars secured together in a parallel relationship comprises securing one end of the said plurality of metal bars in a fixed gripper ring and securing the other end in a rotatable gripper ring. The rotatable gripper ring is rotated in one direction to impart a twist to the bars. It is then rotated the opposite direction to partially untwist the bars. The initial twist is greater than 360 DEG . <IMAGE>

IPC 1-7

B21D 11/14

IPC 8 full level

B21D 11/14 (2006.01)

CPC (source: EP)

B21D 11/14 (2013.01)

Citation (search report)

- [XA] FR 2401715 A1 19790330 - THOMAN FRANZ [DE]
- [XA] US 5676013 A 19971014 - KAHLAU BERNHARD K [US]
- [A] DE 1627581 A1 19700827 - PLATZEN ELMAR
- [A] WO 9718908 A1 19970529 - BEECHER ROY [GB], et al
- [A] PATENT ABSTRACTS OF JAPAN vol. 008, no. 040 (M - 278) 21 February 1984 (1984-02-21)

Designated contracting state (EPC)

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

DOCDB simple family (publication)

EP 0998996 A2 20000510; EP 0998996 A3 20010418; AU 5258299 A 20000406; GB 9821260 D0 19981125

DOCDB simple family (application)

EP 99307775 A 19991001; AU 5258299 A 19990930; GB 9821260 A 19981001