

Title (en)
HEATING DEVICE

Publication
EP 0412429 A3 19910327 (DE)

Application
EP 90114800 A 19900802

Priority
• DE 3926316 A 19890809
• DE 4020706 A 19900629

Abstract (en)
[origin: EP0412429A2] In false-twist crimping machines, the yarn is guided along a heating body (1) by means of a plurality of yarn guides (2). The temperature of the heating body is substantially higher than the target temperature of the yarn. The yarn guides are arranged on a zigzag line (34) which extends along the heating body. The yarn guides can be arranged in a groove (8, 9). <IMAGE>

IPC 1-7
D02J 13/00

IPC 8 full level
D02J 13/00 (2006.01)

CPC (source: EP US)
D02J 13/001 (2013.01 - EP US)

Citation (search report)
[X] CA 897961 A 19720418 - FRIEDRICH HAAS G M B H AND CO

Cited by
US5760374A; DE4423202A1; FR2736938A1; DE4326961C2; US6026636A; US5822971A; CN1081691C; DE10026942A1; US5605644A; EP0469763A1; US5628175A; DE4404217A1; DE19801150A1; DE19801150C2; US5918455A; CN1061711C; US5404705A; US5528893A; CN1061389C; EP0731197A1; US5628176A; CN1066218C; US5578231A; EP0705925A3; EP0796935A3; US6209302B1; EP0691429A2; US6479799B2; EP0705925A2; US7107753B2; WO0073557A3; WO9429501A1; WO9325738A1; WO9404733A1; WO9616210A1; WO9325739A1; WO2018007294A1

Designated contracting state (EPC)
CH DE ES FR GB IT LI

DOCDB simple family (publication)
EP 0412429 A2 19910213; EP 0412429 A3 19910327; EP 0412429 B1 19941117; DE 59007713 D1 19941222; ES 2063873 T3 19950116; US 5148666 A 19920922

DOCDB simple family (application)
EP 90114800 A 19900802; DE 59007713 T 19900802; ES 90114800 T 19900802; US 56419690 A 19900808