

Title (en)

CRIMPING APPARATUS FOR LARGE FILAMENT ASSEMBLIES

Publication

EP 0288891 B1 19910911 (DE)

Application

EP 88106341 A 19880421

Priority

DE 3714610 A 19870501

Abstract (en)

[origin: EP0288891A2] A stuffer box (7) for directional crimping consists of bars (8) which increase in length incrementally toward the outside.
<IMAGE>

IPC 1-7

D02G 1/12

IPC 8 full level

D02G 1/10 (2006.01); **D02G 1/12** (2006.01)

CPC (source: EP US)

D02G 1/122 (2013.01 - EP US)

Cited by

US5747447A

Designated contracting state (EPC)

DE ES FR GB IT

DOCDB simple family (publication)

EP 0288891 A2 19881102; EP 0288891 A3 19890906; EP 0288891 B1 19910911; DE 3714610 A1 19881110; DE 3864728 D1 19911017; ES 2024578 B3 19920301; JP 2703556 B2 19980126; JP S63282329 A 19881118; US 4891873 A 19900109

DOCDB simple family (application)

EP 88106341 A 19880421; DE 3714610 A 19870501; DE 3864728 T 19880421; ES 88106341 T 19880421; JP 10286388 A 19880427; US 18411188 A 19880420