

Title (en)

Apparatus for stranding at least two wires together.

Title (de)

Apparat zum miteinander Verseilen von wenigstens zwei Drähten.

Title (fr)

Appareil pour le tordage mutuel d'au moins deux fils.

Publication

**EP 0103963 A2 19840328 (EN)**

Application

**EP 83304424 A 19830801**

Priority

CA 409994 A 19820824

Abstract (en)

Apparatus for stranding two or more wires together comprising a wire guide means (10) extending in a wire pass direction to a twisting station, the guide means held against rotation about an axis at its upstream end and being rotationally flexible to be torsionally twisted by a rotatable twisting means (24, 28, 36) in the twisting station (22, 30, 34) connected to the downstream end of the guide means. A wire separation tube (78) extends from the twisting means along a fixed curved path section to a stranding station (76) to prevent wires stranding together until they reach the stranding station. The separation tube is rotatable about an axis coinciding with the fixed curved path section and has flexibility to enable the tube to be maintained in its curved configuration along the path with torsional rigidity to avoid build-up and retention of twist.

IPC 1-7

**H01B 13/02**

IPC 8 full level

**B21F 7/00** (2006.01); **H01B 13/02** (2006.01)

CPC (source: EP)

**H01B 13/0235** (2013.01)

Cited by

US4974408A; US6167919B1; WO8706050A1; WO9806155A1; WO2004082575A3

Designated contracting state (EPC)

CH DE FR GB IT LI NL SE

DOCDB simple family (publication)

**EP 0103963 A2 19840328**; **EP 0103963 A3 19840822**; **EP 0103963 B1 19871104**; CA 1174914 A 19840925; DE 3374361 D1 19871210; FI 72831 B 19870331; FI 72831 C 19870710; FI 833013 A0 19830823; FI 833013 A 19840225; JP S5954435 A 19840329

DOCDB simple family (application)

**EP 83304424 A 19830801**; CA 409994 A 19820824; DE 3374361 T 19830801; FI 833013 A 19830823; JP 15173383 A 19830822