

Title (en)
WINDING METHOD, APPARATUS, PRODUCT

Publication
EP 0257464 B1 19900131 (DE)

Application
EP 87111731 A 19870813

Priority
CH 339086 A 19860822

Abstract (en)
[origin: US4805845A] After winding of a thread into a package, the thread is severed and, in order to prevent whirling of the thread end around the package, the end portion is interlaced with the package surface during the braking phase of the package. Interlacing is performed by blowing pressure jet against the thread end and the package surface within an interlacing chamber defined by a pivotally mounted shoe from which the pressure jet is emitted.

IPC 1-7
B65H 65/00

IPC 8 full level
B65H 55/04 (2006.01); **B65H 65/00** (2006.01)

CPC (source: EP US)
B65H 65/005 (2013.01 - EP US); **B65H 2701/31** (2013.01 - EP US); **Y10S 57/908** (2013.01 - EP US)

Cited by
CN112955393A; EP0559041A1; US5356085A; US5553798A; WO2020094485A1

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

DOCDB simple family (publication)
EP 0257464 A1 19880302; **EP 0257464 B1 19900131**; DE 3761557 D1 19900308; JP H0712885 B2 19950215; JP S6357477 A 19880312; US 4805845 A 19890221

DOCDB simple family (application)
EP 87111731 A 19870813; DE 3761557 T 19870813; JP 20008687 A 19870812; US 8695287 A 19870819