

Title (en)
STACKABLE HOLLOW CONICAL SPOOLS.

Title (de)
KONISCHER STAPELBARER HÜLSENKÖRPER.

Title (fr)
CORPS DE CANETTE CONIQUE EMPILABLE.

Publication
EP 0548349 B1 19951025 (DE)

Application
EP 92916003 A 19920715

Priority
• DE 9108727 U 19910716
• EP 9201606 W 19920715

Abstract (en)
[origin: US5403633A] PCT No. PCT/EP92/01606 Sec. 371 Date Mar. 11, 1993 Sec. 102(e) Date Mar. 11, 1993 PCT Filed Jul. 15, 1992 PCT Pub. No. WO93/02008 PCT Pub. Date Feb. 4, 1993. A conical hollow tube body of paper or another organic molding material is made by forming a conical hollow tube body member having a narrow end and a wide end, and producing a spacing formation by making at least one dimple on an inside in the area of the narrow end by forming a projection in a wall of the body member immediately upon completion of the body member from an outside of the latter.

IPC 1-7
B65H 75/10; **B65H 75/50**

IPC 8 full level
B65D 3/06 (2006.01); **B65D 21/02** (2006.01); **B65H 75/10** (2006.01); **B65H 75/50** (2006.01)

CPC (source: EP US)
B65D 3/06 (2013.01 - EP US); **B65D 21/0233** (2013.01 - EP US); **B65H 75/10** (2013.01 - EP US); **B65H 2701/31** (2013.01 - EP US); **B65H 2701/5112** (2013.01 - EP US); **B65H 2701/5122** (2013.01 - EP US); **B65H 2701/534** (2013.01 - EP US); **Y10T 428/1303** (2015.01 - EP US); **Y10T 428/139** (2015.01 - EP US); **Y10T 428/1393** (2015.01 - EP US); **Y10T 428/1397** (2015.01 - EP US); **Y10T 428/24281** (2015.01 - EP US); **Y10T 428/24289** (2015.01 - EP US)

Designated contracting state (EPC)
AT DE ES FR GB GR IT

DOCDB simple family (publication)
US 5403633 A 19950404; AT E129482 T1 19951115; AU 2344392 A 19930223; CA 2091454 A1 19930117; DE 59204134 D1 19951130; DE 9108727 U1 19911010; EP 0548349 A1 19930630; EP 0548349 B1 19951025; ES 2079878 T3 19960116; GR 3018516 T3 19960331; WO 9302008 A1 19930204

DOCDB simple family (application)
US 3012993 A 19930311; AT 92916003 T 19920715; AU 2344392 A 19920715; CA 2091454 A 19920715; DE 59204134 T 19920715; DE 9108727 U 19910716; EP 9201606 W 19920715; EP 92916003 A 19920715; ES 92916003 T 19920715; GR 950403648 T 19951221