

Title (en)  
PLASTIC BOBBIN CARRIER.

Title (de)  
WICKELTRÄGER AUS KUNSTSTOFFMATERIAL.

Title (fr)  
PORTE-BOBINES EN PLASTIQUE.

Publication  
**EP 0581773 B1 19950823 (DE)**

Application  
**EP 92903991 A 19920415**

Priority  
• DE 9200310 W 19920415  
• DE 4112954 A 19910420

Abstract (en)  
[origin: US5501406A] PCT No. PCT/DE92/00310 Sec. 371 Date Dec. 22, 1993 Sec. 102(e) Date Dec. 22, 1993 PCT Filed Apr. 15, 1992 PCT Pub. No. WO92/18408 PCT Pub. Date Oct. 29, 1992. A plastic bobbin carrier for taking up threads and yarns, with a cylindrical or conical shell provided with radial openings and with one end ring at each end of the shell, whereby this shell is comprised of several cylindrical or conical shell segments. These shell segments form a joint cylindrical or conical inner shell surface. Supporting webs join these shell segments together. These supporting webs run in a straight line or helicoidally from one end ring to the other, resting on the inner surfaces of the shell segments to which they are joined as one piece. The supporting webs may be rigid or ductile. When ductile supporting webs are employed, axial, radial, or axial and radial compressibility of the bobbin carrier is attainable.

IPC 1-7  
**B65H 75/24; D06B 23/04**

IPC 8 full level  
**D06B 23/04** (2006.01)

CPC (source: EP US)  
**D06B 23/045** (2013.01 - EP US)

Designated contracting state (EPC)  
AT BE CH DK ES FR GB GR IT LI

DOCDB simple family (publication)  
**WO 9218408 A1 19921029**; AT E126779 T1 19950915; AU 1575092 A 19921117; DE 4112954 A1 19921022; EP 0581773 A1 19940209; EP 0581773 B1 19950823; US 5501406 A 19960326

DOCDB simple family (application)  
**DE 9200310 W 19920415**; AT 92903991 T 19920415; AU 1575092 A 19920415; DE 4112954 A 19910420; EP 92903991 A 19920415; US 13313493 A 19931222