

Title (en)
Axially yieldable dye tube

Title (de)
Axial verformbare Färbhülse

Title (fr)
Bobine de teinture axialement déformable

Publication
EP 0354602 B1 19960103 (FR)

Application
EP 89201430 A 19890605

Priority
IT 8559688 A 19880616

Abstract (en)
[origin: EP0354602A1] The tube comprises layers (1) equipped with rigid vertical rods (3) which alternate with yieldable layers (2) comprising flexible rods (7) of V-shaped profile, so that, under the action of maximum compression by the upper tubes and by the lid of the autoclave vessel, the tube height can never fall below a predetermined minimum value, thus guaranteeing a uniform dyeing action on the yarn wound on conventional spools. <IMAGE>

IPC 1-7
D06B 23/04

IPC 8 full level
D06B 23/04 (2006.01)

CPC (source: EP)
D06B 23/042 (2013.01)

Cited by
EP0447373A1; TR27940A; EP0469394A1; WO0144555A1

Designated contracting state (EPC)
AT BE CH DE ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)
EP 0354602 A1 19900214; EP 0354602 B1 19960103; AT E132550 T1 19960115; DE 68925318 D1 19960215; DE 68925318 T2 19960808; ES 2083376 T3 19960416; GR 3018948 T3 19960531; IT 8885596 A0 19880616

DOCDB simple family (application)
EP 89201430 A 19890605; AT 89201430 T 19890605; DE 68925318 T 19890605; ES 89201430 T 19890605; GR 960400347 T 19960214; IT 8559688 A 19880616