

Title (en)

METHOD OF BLEACHING AND DYEING YARN BOBBINS AND APPARATUS FOR USING THIS METHOD

Publication

EP 0018047 B1 19831221 (FR)

Application

EP 80200341 A 19800415

Priority

BE 2057740 A 19790419

Abstract (en)

[origin: ES8104461A1] The method comprises the steps of impregnating spooled threads with a cold treatment liquid inside a kier, leaving an air cushion above the liquid inside the kier, discharging the liquid from the kier through a liquid discharge outlet by feeding steam above the air cushion, stopping the discharge when the steam reaches the liquid discharge outlet, and treating the spooled threads with steam inside the kier.

IPC 1-7

D06B 5/16

IPC 8 full level

D06B 5/12 (2006.01); **D06B 5/16** (2006.01)

CPC (source: EP US)

D06B 5/16 (2013.01 - EP US)

Cited by

WO8902002A1

Designated contracting state (EPC)

CH DE FR GB IT LI

DOCDB simple family (publication)

EP 0018047 A1 19801029; EP 0018047 B1 19831221; BE 875692 A 19791019; DE 3065934 D1 19840126; ES 490714 A0 19810401; ES 8104461 A1 19810401; JP S5620664 A 19810226; US 4300251 A 19811117

DOCDB simple family (application)

EP 80200341 A 19800415; BE 2057740 A 19790419; DE 3065934 T 19800415; ES 490714 A 19800418; JP 5155580 A 19800418; US 13866480 A 19800409