

Title (en)  
APPARATUS FOR SECTIONALLY DYEING YARNS, IN DIFFERENT COLOURS

Publication  
**EP 0026843 B1 19831116 (DE)**

Application  
**EP 80105210 A 19800902**

Priority  
DE 2940774 A 19791008

Abstract (en)  
[origin: US4380158A] A yarn to be dyed at intermittent locations is continuously transported at high speed and in stretched condition past a nozzle supplied with dyestuff under pressure, with interposition of one or more rotary shutters such as disks with arrays of apertures of various configurations centered on the axis of rotation. Synchronization between yarn motion and shutter rotation may be achieved by designing the shutter as a grooved pulley or sheave with a frustoconical recess having apertures near the groove bottom through which a yarn entraining the pulley or entrained by it can be sprayed by a nozzle lodged in the recess.

IPC 1-7  
**D06B 11/00**

IPC 8 full level  
**D06B 11/00** (2006.01)

CPC (source: EP US)  
**D06B 11/0023** (2013.01 - EP US); **Y10S 118/21** (2013.01 - EP US)

Citation (examination)  
CH 459 A 18890330 - DRATZ HENRI [BE], et al

Cited by  
FR2650311A1; CN112226974A; EP0185711A4; CN107488956A; FR2719058A1; US5557953A; DE19514723C2

Designated contracting state (EPC)  
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DOCDB simple family (application)  
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