

Title (en)

DRAWING APPARATUS FOR SYNTHETIC YARNS

Publication

EP 0298316 A3 19901114 (DE)

Application

EP 88110077 A 19880624

Priority

- DE 3722162 A 19870704
- DE 3724740 A 19870725

Abstract (en)

[origin: EP0298316A2] A drawing apparatus for synthetic yarns utilises a drawing pin which is wrapped by the yarn through 360 DEG . There is a danger that the yarn will cut into the surface of the drawing pin (7). To avoid this, the drawing pin (7) is pivoted reversingly about an axis (13). The axis (13) crosses the axis (11) of the drawing pin. The drawing pins of a plurality of processing stations are attached to a common support (12), which may also act as receptacle for a liquid to be evaporated. <IMAGE>

IPC 1-7

D02J 1/22

IPC 8 full level

D02J 1/22 (2006.01)

CPC (source: EP)

D02J 1/22 (2013.01)

Citation (search report)

- [AD] DE 3705105 A1 19870917 - BARMAG BARMER MASCHF [DE]
- [A] US 2289232 A 19420707 - FRIEND BABCOCK DALE
- [A] NL 6707777 A 19671204
- [A] DE 2454477 A1 19760520 - VEPA AG

Cited by

US5311650A; DE4120839C1; US5251364A

Designated contracting state (EPC)

CH DE ES FR GB IT LI

DOCDB simple family (publication)

EP 0298316 A2 19890111; EP 0298316 A3 19901114; EP 0298316 B1 19930901; DE 3883647 D1 19931007

DOCDB simple family (application)

EP 88110077 A 19880624; DE 3883647 T 19880624