

Title (en)
Centrifugal spinning and winding machine

Title (de)
Zentrifugenspinn-/Spulmaschine

Title (fr)
Machine de bobinage et filage par extrusion centrifuge

Publication
EP 0995824 A1 20000426 (DE)

Application
EP 98120091 A 19981024

Priority
DE 19802653 A 19980124

Abstract (en)
[origin: DE19802653A1] The assembly of centrifugal spinning stations with bobbin winders has a separate store section (4) at each workstation (1) between a number of centrifugal spinning stations (2) and the bobbin winder. It holds a number of bobbins (16) and bobbin carriers (11). The store section (4) allows a build-up, with at least one holding stretch (31) for the spun yarn cops (16) and at least one holding stretch (33) for the bobbin carriers (11). The centrifugal spinning stations (2) are on circular path, at a workstation (1), with at least one swing doffer. The grip unit, at the doffer, covers the spinner feed and winder delivery ends of the holding stretches (31,33). The bobbins (16) and empty sleeves (11) are moved on bobbin plates (18) at the store unit (4). Each workstation (1) has a number of centrifuge spinning stations (2) next to each other in a row, each with a single doffer (30) at a lateral transport stretch (29) which links the two holding stretches (31,33). Or a doffer moves along rails between the spinning stations (2) and the bobbin winder, with doffing units on the trolley, or a single static doffer which serves a transport system for loading and unloading. A moving doffer can also travel along the line of spinning stations (2), working with the lateral transport stretch (29) linking the two holding stretches (31,33).

Abstract (de)
Die Erfindung betrifft eine Zentrifugenspinn-/Spulmaschine (23), mit einer Vielzahl von in Reihe angeordneten Arbeitssteilen (1). Die Arbeitssteilen (1) weisen jeweils mehrere autonome Zentrifugenspinnaggregate (2) sowie eine zugehörige Spuleinrichtung (5) auf. Erfindungsgemäß verfügt jede der Arbeitsstellen (1) der Zentrifugenspinn-/Spulmaschine über eine arbeitsstelleneigene, zwischen Zentrifugenspinnaggregate (2) und Spuleinrichtung (5) eingeschaltete, vorzugsweise staufähige Speichereinrichtung (4), mit wenigstens einer Speicherstrecke (31) zum Bevorraten von Spinnkopsen (16) und wenigstens einer Wartestrecke (33) zum Bereithalten von Leerröhren (11). <IMAGE>

IPC 1-7
D01H 1/08; D01H 9/06

IPC 8 full level
B65H 67/06 (2006.01); **D01H 1/08** (2006.01); **D01H 9/06** (2006.01); **D01H 9/18** (2006.01)

CPC (source: EP US)
D01H 1/08 (2013.01 - EP US); **D01H 9/06** (2013.01 - EP US); **D01H 9/18** (2013.01 - EP US)

Citation (search report)
• [XAY] US 5515672 A 19960514 - KOLTZE KARL [DE], et al
• [XA] EP 0504615 A1 19920923 - SCHLAFHORST & CO W [DE]
• [Y] DE 19548668 A1 19970626 - CSM GMBH [DE]
• [A] EP 0320802 A1 19890621 - SCHWEITER AG MASCHF [CH]
• [DA] DD 250961 A1 19871028 - TEXTIMA VEB K [DD]
• [A] DE 19527002 A1 19970130 - CHEMNITZER SPINNEREIMASCHINEN [DE]

Designated contracting state (EPC)
CH DE ES IT LI

DOCDB simple family (publication)
DE 19802653 A1 19990729; DE 59809736 D1 20031030; EP 0995824 A1 20000426; EP 0995824 B1 20030924; ES 2207779 T3 20040601; JP 4308355 B2 20090805; JP H11256433 A 19990921; RU 99101055 A 20001027; US 6073435 A 20000613

DOCDB simple family (application)
DE 19802653 A 19980124; DE 59809736 T 19981024; EP 98120091 A 19981024; ES 98120091 T 19981024; JP 1271899 A 19990121; RU 99101055 A 19990122; US 22358598 A 19981230