

Title (en)
Continuously operating dual winding machine.

Title (de)
Kontinuierlich arbeitende zweifache Wickelmaschine.

Title (fr)
Bobinoir double à fonctionnement continu.

Publication
EP 0003385 A1 19790808 (FR)

Application
EP 79200045 A 19790124

Priority
CH 100478 A 19780130

Abstract (en)
1. Continuous operation double winding machine comprising two supports (5) for parallel-axis reels (2, 3) provided with discs (7) having hooks (41) situated in the same plane, a traverse mechanism (13) reciprocating perpendicular to the said plane, a transfer device (22) intended to modify the trajectory of the wire to cause the wire to pass in the vicinity of the drum of the empty reel and of the said plane at the moment of transfer, and a deviator device (23) cooperating with the transfer device, and intended to engage the wire in the path of the hooks associated with the empty reel, characterized in that the deviator device is constituted exclusively by a base (36) rotatable about an axis parallel to the said plane and situated in the vicinity thereof, by two rigid and elongated elements (37) fixed in paired positions on the base, and by rotational drive means (38), in that the said rotational drive means are associated with control means (25, 26, 27) for the transfer device and act upon the base in such a way that at the moment of transfer, the latter rotates through a predetermined angle, when the trajectory of the wire engages between the said rigid elements, the rotation of the deviator occurring in a direction such that the trajectory of the wire is moved away from the hooks associated with the full reel and brought near the hooks associated with the empty reel.

Abstract (fr)
Dans un bobinoir double à fonctionnement continu équipé de deux supports de bobine d'axes parallèles, on prévoit comme moyen de transfert un équipage basculant (22) et un déviateur tournant autour d'un autre axe (23). Les deux guide-fils de l'équipage basculant embrassent le fil sous la poulie de trancanage (14). Ils sont placés au sommet du montant (24) qui pivote autour de son extrémité inférieure. Lors du basculement vers la droite ou vers la gauche, le déviateur (23) tourne également et les barres (37) amènent le fil dans le chemin des crochets (41) solidaires du disque associé à la bobine vide. En même temps, le déviateur (23) écarte le fil des crochets (41) associés au disque (7) de la bobine pleine (2).

IPC 1-7
H02G 11/02; B65H 67/04

IPC 8 full level
B65H 67/052 (2006.01)

CPC (source: EP)
B65H 67/052 (2013.01)

Citation (applicant)
• DE 2304483 A1 19731011 - THAELMANN SCHWERMASCHBAU VEB
• DE 1955246 A1 19700709 - FURUKAWA ELECTRIC CO LTD
• DE 1959377 A1 19710107 - FURUKAWA ELECTRIC CO LTD
• FR 2274537 A1 19760109 - TECHNOFIL SPA [IT]
• US 3693528 A 19720926 - FRICK HANS-DIETER, et al

Cited by
DE19983089B3; EP0056359A1; EP0295230A1; CN113071956A; EP4140928A1

Designated contracting state (EPC)
BE CH DE FR GB IT LU NL SE

DOCDB simple family (publication)
EP 0003385 A1 19790808; EP 0003385 B1 19811007; CH 621312 A5 19810130; DE 2960930 D1 19811217

DOCDB simple family (application)
EP 79200045 A 19790124; CH 100478 A 19780130; DE 2960930 T 19790124