

Title (en)

PROCESS AND DEVICE FOR THE SIMULTANEOUS WINDING OF A MULTI-WIRE COIL WITH SEVERAL WIRES AND/OR THE SIMULTANEOUS UNWINDING OF THE WIRES FROM SUCH A WOUND MULTI-WIRE COIL FOR SUBSEQUENT STRANDING

Title (de)

VERFAHREN UND VORRICHTUNG ZUM GLEICHZEITIGEN BEWICKELN EINER MEHRDRAHTSPULE MIT MEHREREN DRÄHTEN UND/ODER GLEICHZEITIGEM ABWICKELN DER DRÄHTE VON EINER DERART BEWICKELTEN MEHRDRAHTSPULE FÜR EINE NACHFOLGENDE VERSEILUNG DERSELBEN

Title (fr)

PROCEDE ET DISPOSITIF POUR L'ENROULEMENT SIMULTANE DE PLUSIEURS FILS METALLIQUES SUR UNE BOBINE A PLUSIEURS FILS ET/OU POUR LE DEROULEMENT SIMULTANE DES FILS D'UNE BOBINE A PLUSIEURS FILS AINSI ENROULE, POUR UN TORONNAGE ULTERIEUR

Publication

EP 0851949 B1 20010919 (DE)

Application

EP 96909029 A 19960402

Priority

- DE 9600627 W 19960402
- DE 19535025 A 19950921

Abstract (en)

[origin: WO9711222A1] The invention relates to a process and a device for winding and/or unwinding multi-wire coils (10) in which several wires (3), especially wires (3) of low plastic deformability, like steel wires, are simultaneously wound on a multi-wire coil (10) and/or such wound wires (3) can simultaneously be unwound in the stranding device (12) and subsequently stranded. It is to be possible for the wires (3) to be double-twist stranded together while maintaining quality, i.e. ensuring the same length ratios in the wire layers on the multi-wire stranding principle on highly productive stranding machines. This is attained in that, during the winding process in a winding device (1), individual wires (3) are taken from stationary feeds (2) and taken to a dedicated compensating storage device (7) and several of said wires (3) are wound at a bunch of approximately parallel wires (3) on a common multi-wire coil (10), and during the unwinding of the bunch of wires (3) from a multi-wire coil (10) thus wound which is received in an unwinding device of a stranding device designed as a coil support (19) the individual wires (3) are taken to a stranding process via a dedicated compensating storage device (7').

IPC 1-7

D07B 3/00; B65H 59/36

IPC 8 full level

B65H 59/36 (2006.01); **D07B 3/00** (2006.01)

CPC (source: EP KR)

B65H 59/36 (2013.01 - EP KR); **D07B 3/00** (2013.01 - EP KR); **D07B 2207/4018** (2013.01 - EP)

Designated contracting state (EPC)

AT BE DE ES FR GB IT LU

DOCDB simple family (publication)

WO 9711222 A1 19970327; AT E205897 T1 20011015; CN 1197492 A 19981028; CZ 83298 A3 19980916; DE 19535025 A1 19970327; DE 59607731 D1 20011025; EP 0851949 A1 19980708; EP 0851949 B1 20010919; KR 19990063634 A 19990726; SK 37598 A3 19981104

DOCDB simple family (application)

DE 9600627 W 19960402; AT 96909029 T 19960402; CN 96197137 A 19960402; CZ 83298 A 19960402; DE 19535025 A 19950921; DE 59607731 T 19960402; EP 96909029 A 19960402; KR 19980702083 A 19980320; SK 37598 A 19960402