

Title (en)
DRAWING FRAME WITH APRONS ENTWINED AROUND TWIN OUTPUT TOP DELIVERY ROLLERS

Title (de)
STRECKWERK MIT VON RIEMCHEN UMSCHLUNGENEN ZWILLINGS-AUSGANGSOBERWALZEN

Title (fr)
BANC D'ETIRAGE COMPRENANT DES CYLINDRES SUPERIEURS DELIVREURS JUMELES, AUTOUR DESQUELS PASSENT DES LANIERES

Publication
EP 1673497 B1 20080903 (DE)

Application
EP 04790385 A 20041014

Priority

- EP 2004011522 W 20041014
- DE 10348452 A 20031017

Abstract (en)
[origin: WO2005038104A1] The invention relates to a drawing frame comprising aprons (10, 11) entwined around twin output top delivery rollers (3, 4) and guided by deviating organs (9) arranged above an area opposite to a clamping surface of the pair of the delivery roller (1/3/4). In order to ensure the low-friction and wear-free passage of the aprons (10, 11) without brake, said aprons pass around the deviating organs (9) at a limited friction. For this purpose, the apron strain is used for widening circular form in a circumferential direction. Said strain produces a desired low load pressure on the bearing surfaces and a desired low tensile stress in the aprons (10, 11) by means of appropriately selected nips between the output top delivery rollers (3, 4) and the bearing surfaces (12).

IPC 8 full level
D01H 5/86 (2006.01); **D01H 5/26** (2006.01)

CPC (source: EP US)
D01H 5/26 (2013.01 - EP US); **D01H 5/86** (2013.01 - EP US)

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2005038104 A1 20050428; AT E407240 T1 20080915; CN 103088483 A 20130508; CN 103088483 B 20150624; CN 1906339 A 20070131; DE 10348452 A1 20050525; DE 10348452 B4 20080703; DE 502004007999 D1 20081016; EP 1673497 A1 20060628; EP 1673497 B1 20080903; ES 2313088 T3 20090301; JP 2007508472 A 20070405; JP 4639193 B2 20110223; US 2007169459 A1 20070726; US 7475531 B2 20090113

DOCDB simple family (application)
EP 2004011522 W 20041014; AT 04790385 T 20041014; CN 200480030388 A 20041014; CN 201210394215 A 20041014; DE 10348452 A 20031017; DE 502004007999 T 20041014; EP 04790385 A 20041014; ES 04790385 T 20041014; JP 2006534679 A 20041014; US 57537204 A 20041014