

Title (en)

Clamping cone for taking a spindle with a coiled roll of material in a roll changer

Title (de)

Spannkonus zur Aufnahme von einer aufgewickelten Materialrolle tragenden Hülse in einem Rollenwechsler

Title (fr)

Cône de serrage pour le support d'un noyau avec un rouleau de matériau enroulé dans un changeur de rouleaux

Publication

EP 1997757 A3 20090408 (DE)

Application

EP 08151344 A 20080213

Priority

DE 102007024768 A 20070526

Abstract (en)

[origin: EP1997757A2] The cone has an inner cone (1) provided with inner clamping flanges (3), which are distributed on a circumference of the inner cone. The inner cone is fastened to a roller support arm (2) of a roll changer. An outer cone has outer clamping flanges distributed on its circumference, and a hollow cavity of the outer cone extends axially inside of the outer cone. The inner cone is arranged in the hollow cavity of the outer cone. The outer clamping flanges are radially adjustable, where an inner diameter of the hollow cavity is unchangeable.

IPC 8 full level

B65H 19/12 (2006.01)

CPC (source: EP US)

B65H 75/2227 (2021.05 - EP US); **B65H 75/2484** (2021.05 - EP US); **B65H 2511/14** (2013.01 - EP)

C-Set (source: EP)

B65H 2511/14 + **B65H 2220/11** + **B65H 2220/04**

Citation (search report)

- [X] US 2904279 A 19590915 - EWING LYNN H
- [X] WO 2007037173 A1 20070405 - SEIKO I INFOTECH INC [JP], et al
- [X] US 2003210312 A1 20031113 - FUJIOKA SATOSHI [JP]
- [X] JP H10211519 A 19980811 - SUMITOMO METAL IND
- [A] US 4715553 A 19871229 - HATAKEYAMA TETSUO [JP], et al
- [A] US 4651643 A 19870324 - KATZ SIDNEY [US], et al
- [A] GB 683550 A 19521203 - EDWARD ARNO CROSBY
- [A] US 3610643 A 19711005 - THOMPSON ALBION J

Cited by

CN108217340A; CN112058945A; EP4209441A1; IT202200000188A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

EP 1997757 A2 20081203; **EP 1997757 A3 20090408**; **EP 1997757 B1 20110330**; AT E503713 T1 20110415; DE 102007024768 A1 20081204; DE 102007024768 B4 20110407; DE 502008002993 D1 20110512

DOCDB simple family (application)

EP 08151344 A 20080213; AT 08151344 T 20080213; DE 102007024768 A 20070526; DE 502008002993 T 20080213