

Title (en)

WINDING SHAFT FOR WINDING STRIP-TYPE MATERIALS

Title (de)

WICKELWELLE ZUM AUFWICKELN BANDFÖRMIGER MATERIALIEN

Title (fr)

ARBRE D'ENROULEMENT POUR L'ENROULEMENT DE MATERIAUX EN BANDE

Publication

EP 1361994 B1 20061025 (DE)

Application

EP 02702339 A 20020202

Priority

- DE 10109104 A 20010224
- EP 0201082 W 20020202

Abstract (en)

[origin: WO02068304A1] The invention relates to a winding shaft (1) for winding strip-type materials for slitter-winders, which longitudinally sever a thin, rolled metal sheet into individual strips (2) and wind said individual strips (2) to form reels (3). Said shaft is equipped with a hydraulic device for transmitting a constant torque from the core shaft (4) to the spools (16) of the individual reels (3), whilst the individual strips (2) are being wound under a constant strip tension (B).

IPC 8 full level

B65H 18/10 (2006.01)

CPC (source: EP US)

B65H 18/106 (2013.01 - EP US); **B65H 2301/4148** (2013.01 - EP US)

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

WO 02068304 A1 20020906; AT E343537 T1 20061115; DE 10109104 A1 20020912; DE 10109104 C2 20030320; DE 50208536 D1 20061207; EP 1361994 A1 20031119; EP 1361994 B1 20061025; JP 2004518595 A 20040624; US 2003102400 A1 20030605; US 6729571 B2 20040504

DOCDB simple family (application)

EP 0201082 W 20020202; AT 02702339 T 20020202; DE 10109104 A 20010224; DE 50208536 T 20020202; EP 02702339 A 20020202; JP 2002567832 A 20020202; US 25830502 A 20021023