

Title (en)

SHAFT SYSTEM FOR USE IN A CHUCK OF A WINDING HEAD

Title (de)

WELLENSYSTEM FÜR DEN EINSATZ IN EINEM SPANNFUTTER EINES SPULKOPFES

Title (fr)

SYSTÈME D'ARBRES DESTINÉ À ÊTRE UTILISÉ DANS UN MANDRIN DE SERRAGE D'UNE TÊTE DE BOBINAGE

Publication

**EP 2429932 A1 20120321 (DE)**

Application

**EP 10721423 A 20100510**

Priority

- EP 2010056323 W 20100510
- DE 102009021647 A 20090516

Abstract (en)

[origin: WO2010133462A1] The invention relates to a shaft system (100) for use in a chuck (110) of a winding head (120) for winding, for example, synthetic threads, comprising at least one input or output shaft (1) and at least one axis (3) or another shaft, which (3) is arranged coaxially to the input or output shaft (1), wherein at least one of said components (1, 3) is designed as a hollow shaft or hollow axis (3) and the other component (1) is received therein at least partially and is supported with respect to the hollow shaft or hollow axis (3) by means of at least one bearing (4, 5). According to the invention, the bearing is designed as a ball roller bearing (4, 5), which is arranged radially inside on the outer circumference of the rotatable shaft (1) and radially outside on the inner circumference of the stationary axis (3).

IPC 8 full level

**B65H 54/547** (2006.01)

CPC (source: EP)

**B65H 54/547** (2013.01)

Citation (search report)

See references of WO 2010133462A1

Designated contracting state (EPC)

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

DOCDB simple family (publication)

**DE 102009021647 A1 20101118**; CN 102414106 A 20120411; EP 2429932 A1 20120321; EP 2429932 B1 20141022; WO 2010133462 A1 20101125

DOCDB simple family (application)

**DE 102009021647 A 20090516**; CN 201080018649 A 20100510; EP 10721423 A 20100510; EP 2010056323 W 20100510