

Title (en)
DEEP ROLLING ROLLER OF A DEEP ROLLING MACHINE ARRANGED DETACHABLY ON A HOUSING

Title (de)
AN EINEM GEHÄUSE LÖSBAR ANGEORDNETE FESTWALZROLLE EINES FESTWALZWERKZEUGS

Title (fr)
ROULEAU DE GALETAGE D'UN OUTIL DE GALETAGE DISPOSÉ DE MANIÈRE AMOVIBLE SUR UN BÂTI

Publication
EP 2411182 A1 20120201 (DE)

Application
EP 10734900 A 20100324

Priority
• DE 2010000362 W 20100324
• DE 202009004172 U 20090325
• DE 202009012976 U 20090925

Abstract (en)
[origin: WO2010108489A1] A deep rolling roller (1) is arranged detachably on a housing (2). The deep rolling roller (1) is mounted freely rotatably on a bolt between a bolt head (7) and a cover (20), wherein the housing (2) comprises a recess (6) for the deep rolling roller (1), a seat (10) for the bolt head (7) and a seat (19) for the cover (20). The seat (10) for the bolt head (7) is designed as a partial surface (11, 14) of a truncated cone and has a concentric collar (23) in the direction of the rotational axis (24) of the deep rolling roller (1), while the seat (19) for the cover (20) is designed as a partial surface (16, 17) of a circular cylinder.

IPC 8 full level
B24B 39/04 (2006.01); **B21H 7/18** (2006.01)

CPC (source: EP KR US)
B21H 7/185 (2013.01 - EP KR US); **B24B 5/42** (2013.01 - KR); **B24B 39/04** (2013.01 - EP KR US); **Y10T 29/17** (2015.01 - EP US); **Y10T 29/47** (2015.01 - EP US)

Citation (search report)
See references of WO 2010108489A1

Cited by
DE102020130537A1; WO2022106543A1

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 MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)
DE 202009012976 U1 20100211; BR PI1014205 A2 20160419; BR PI1014205 B1 20201215; CN 102405126 A 20120404; CN 102405126 B 20140226; EP 2411182 A1 20120201; EP 2411182 B1 20130220; JP 2013505840 A 20130221; JP 5636035 B2 20141203; KR 101675080 B1 20161110; KR 20120000101 A 20120103; PL 2411182 T3 20130930; RO 129222 A2 20140228; RO 129222 B1 20171129; RU 2011142914 A 20130427; RU 2521912 C2 20140710; US 2012090141 A1 20120419; US 8567025 B2 20131029; WO 2010108489 A1 20100930

DOCDB simple family (application)
DE 202009012976 U 20090925; BR PI1014205 A 20100324; CN 201080013602 A 20100324; DE 2010000362 W 20100324; EP 10734900 A 20100324; JP 2012501132 A 20100324; KR 20117025270 A 20100324; PL 10734900 T 20100324; RO 201100980 A 20100324; RU 2011142914 A 20100324; US 201013257616 A 20100324