

Title (en)
Stagger roller

Title (de)
Taumelrolle

Title (fr)
Rouleau de culbutage

Publication
EP 1913822 B1 20111109 (DE)

Application
EP 07018242 A 20070918

Priority
DE 102006049409 A 20061016

Abstract (en)
[origin: EP1913822A2] The device (1) has fixed circular rollers (12a, 12b) for moving stick-shaped articles (4) e.g. cigarette, to a transferring area towards its longitudinal axis. The circular rollers come in direct contact with the articles in the transferring area, where the rollers have cylindrical peripheral surfaces (12c, 12d). The rollers are coaxially connected with other rollers (12g, 12h) in a torque-proof manner, where the latter rollers are driven by a circular conveyor (2).

IPC 8 full level
A24C 5/47 (2006.01)

CPC (source: EP)
A24C 5/327 (2013.01); **A24C 5/478** (2013.01)

Cited by
EP2965639A1; CN107846965A; RU2697967C1; JP2018535677A; KR20170140165A; JP2018512849A; CN112278966A; US10159274B2; WO2017009747A1; US10375987B2; US10342252B2; EP3632224A1; EP3632225A1; EP3632229A1; EP3632230A1; WO2016170457A1

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

DOCDB simple family (publication)
EP 1913822 A2 20080423; EP 1913822 A3 20090826; EP 1913822 B1 20111109; AT E532422 T1 20111115; CN 101254029 A 20080903; CN 101254029 B 20130619; DE 102006049409 A1 20080417; PL 1913822 T3 20120430

DOCDB simple family (application)
EP 07018242 A 20070918; AT 07018242 T 20070918; CN 200710162671 A 20071016; DE 102006049409 A 20061016; PL 07018242 T 20070918