

Title (en)
LABELING MACHINE WITH AN IMPROVED LABEL TRANSFER DRUM

Title (de)
ETIKETTIERMASCHINE MIT EINER VERBESSERTEN ETIKETTENTRANSFERTROMMEL

Title (fr)
MACHINE D'ÉTIQUETAGE AVEC TAMBOUR DE TRANSFERT D'ÉTIQUETTES AMÉLIORÉ

Publication
EP 3446993 A1 20190227 (EN)

Application
EP 17306093 A 20170824

Priority
EP 17306093 A 20170824

Abstract (en)
Labeling machine (1) comprising a carousel (4) rotating about a first axis (A) and conveying a plurality of articles (3) along a given path (P); the labeling machine (1) further comprises at least one labeling group (5, 6) arranged peripherally with respect to the carousel (4) and comprising a transfer drum (22); the transfer drum (22) is rotatable about a second axis (C), parallel to first axis (A) and is configured to receive labels (2) on its outer lateral surface (24) and to feed them to the carousel (4) at an application station (K); the transfer drum (22) carries at least one leading pad (26) configured to cooperate with a leading portion of one respective label (2), and at least one trailing pad (27) configured to cooperate with a trailing portion of the respective label (2); the leading pad (26) is movable between an operative position, in which it protrudes from the outer lateral surface (24), outwardly from axis C, and feeds the respective label (2) to the carousel (4) at the application station (K); and an idle position, in which the leading pad (26) is retracted towards the second axis (C) with respect to the operative position.

IPC 8 full level
B65C 9/18 (2006.01); **B65C 9/42** (2006.01)

CPC (source: EP)
B65C 9/1819 (2013.01); **B65C 9/42** (2013.01)

Citation (search report)
• [X1] US 4632721 A 19861230 - HOFFMANN WOLFGANG W [US], et al
• [X1] DE 9016591 U1 19910221
• [A] RU 2225814 C2 20040320
• [A] CN 106742473 A 20170531 - GUANGZHOU VANTA INTELLIGENT EQUIPMENT TECH CO LTD, et al

Cited by
CN110227935A; IT202000000400A1; CN114929582A; AU2020423043B2; WO2023083638A1; WO2024114913A1; WO2024114957A1; WO2021144137A1; WO2022069415A1

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 RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 3446993 A1 20190227

DOCDB simple family (application)
EP 17306093 A 20170824