

Title (en)  
CONVEYING DRUM FOR THE TOBACCO-PROCESSING INDUSTRY

Title (de)  
FÖRDERTROMMEL DER TABAK VERARBEITENDEN INDUSTRIE

Title (fr)  
TAMBOUR DE TRANSPORT POUR L'INDUSTRIE DE TRANSFORMATION DU TABAC

Publication  
**EP 4069001 B1 20230830 (DE)**

Application  
**EP 21700250 A 20210105**

Priority  
• DE 102020100437 A 20200110  
• EP 2021050051 W 20210105

Abstract (en)  
[origin: WO2021140084A1] The invention relates, inter alia, to a conveying drum (10) for the tobacco-processing industry, said drum comprising an outer drum body (12), the drum body (12) being rotatably or rotatingly driven about an axis of rotation of the conveying drum (10), and the drum body (12) having receiving grooves (14) circumferentially spaced one behind another for receiving rod-shaped articles (20) for the tobacco-processing industry, wherein: the conveying drum (10) has, in the interior, a control body (16), which is surrounded by the drum body (12), for controlling and/or applying negative pressure to the rod-shaped articles (20) disposed in the receiving grooves (14) in a conveying region for the rod-shaped articles (20) on the conveying drum (10); the control body (16) has at least one vacuum opening (18); and the receiving grooves (14) of the drum body (12) are baseless and the at least one vacuum opening (18) of the control body (16) is communicatively connected to the baseless receiving grooves (14) of the drum body (12) in the conveying region for the rod-shaped articles (20).

IPC 8 full level  
**A24C 5/32** (2006.01)

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

Citation (opposition)  
Opponent : G.D S.p.A.  
• DE 102011083029 A1 20121011 - HAUNI MASCHINENBAU AG [DE]  
• WO 2012136491 A1 20121011 - HAUNI MASCHINENBAU AG [DE], et al  
• GB 2267474 A 19931208 - KOERBER AG [DE]  
• GB 2090572 A 19820714 - MOLINS LTD  
• EP 1366679 A2 20031203 - GD SPA [IT]  
• DE 102013009676 A1 20141211 - HAUNI MASCHINENBAU AG [DE]  
• DE 102014214462 A1 20150917 - HAUNI MASCHINENBAU AG [DE]  
• DE 102011075610 A1 20121115 - HAUNI MASCHINENBAU AG [DE]  
• US 2017112186 A1 20170427 - FALLON GARY [GB], et al  
• US 3712162 A 19730123 - GIATTI F

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

DOCDB simple family (publication)  
**DE 102020100437 A1 20210715**; CN 114867369 A 20220805; CN 114867369 B 20230725; EP 4069001 A1 20221012;  
EP 4069001 B1 20230830; PL 4069001 T3 20240304; WO 2021140084 A1 20210715

DOCDB simple family (application)  
**DE 102020100437 A 20200110**; CN 202180008495 A 20210105; EP 2021050051 W 20210105; EP 21700250 A 20210105;  
PL 21700250 T 20210105