

Title (en)  
METHOD FOR HIGH-SPEED COATING THE INNER SURFACE OF A BLANK

Title (de)  
VERFAHREN ZUM HOCHGESCHWINDIGKEITSBESCHICHTEN DER INNENFLÄCHE EINES ROHLINGS

Title (fr)  
PROCÉDÉ DE REVÊTEMENT À GRANDE VITESSE DE LA SURFACE INTERNE D'UNE ÉBAUCHE

Publication  
**EP 4096836 A1 20221207 (DE)**

Application  
**EP 21700149 A 20210104**

Priority  
• AT 500662020 A 20200129  
• AT 2021060001 W 20210104

Abstract (en)  
[origin: WO2021151131A1] The invention relates to a method for the high-speed coating of the inner surface of a blank (1), preferably a can, wherein the blank (1) rotates about its axis of rotation and a coating means is applied to an inner surface of the blank (1). In order to allow for an increase in production rates and for a homogeneous coating of the inner surface of the blank (1), even with low coating thicknesses, without causing an increase in operating costs, a gas flow (10) is blown into the blank (1) via a nozzle (9) in order to accelerate the blank (1) and to distribute the coating means in the direction of the axis of rotation (12).

IPC 8 full level  
**B05B 13/02** (2006.01); **B05B 13/06** (2006.01); **B05C 11/06** (2006.01); **B05D 1/00** (2006.01); **B05D 1/02** (2006.01); **B05D 7/14** (2006.01); **B05D 7/22** (2006.01); **B65G 47/52** (2006.01)

CPC (source: AT EP US)  
**B05B 13/0228** (2013.01 - EP US); **B05B 13/0242** (2013.01 - US); **B05B 13/0609** (2013.01 - AT EP US); **B05B 13/0645** (2013.01 - AT); **B05B 13/0681** (2013.01 - EP US); **B05B 13/069** (2013.01 - AT US); **B05C 7/02** (2013.01 - AT US); **B05D 1/002** (2013.01 - AT EP US); **B05D 1/02** (2013.01 - EP US); **B05D 3/042** (2013.01 - AT US); **B05D 7/146** (2013.01 - US); **B05D 7/227** (2013.01 - AT EP US); **B65G 47/525** (2013.01 - US); **B05D 7/146** (2013.01 - EP); **B65G 47/525** (2013.01 - EP)

Citation (search report)  
See references of WO 2021151131A1

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

Designated validation state (EPC)  
KH MA MD TN

DOCDB simple family (publication)  
**WO 2021151131 A1 20210805**; AT 522683 A4 20210115; AT 522683 B1 20210115; EP 4096836 A1 20221207; US 2023053194 A1 20230216

DOCDB simple family (application)  
**AT 2021060001 W 20210104**; AT 500662020 A 20200129; EP 21700149 A 20210104; US 202117795200 A 20210104