

Title (en)
METHOD FOR PRETREATMENT OF PLASTIC OBJECTS BEFORE COATING

Title (de)
VERFAHREN ZUR VORBEHANDLUNG VON KUNSTSTOFFOBJEKTEN VOR EINER LACKIERUNG

Title (fr)
PROCÉDÉ DE PRÉTRAITEMENT D'OBJETS EN MATIÈRE PLASTIQUE AVANT REVÊTEMENT

Publication
EP 2654975 A4 20150415 (EN)

Application
EP 11850874 A 20111216

Priority
• SE 1051353 A 20101221
• SE 2011051525 W 20111216

Abstract (en)
[origin: WO2012087227A1] A method for producing and coating a specific surface of moulded plastic object, comprising the steps of: a) producing said object in a manufacturing machine according to per se known methods; b) transferring said object into and through a tunnel comprising at least three, optionally four or five consecutive partially separated chambers in the direction A to E, where chambers A and E each comprise an opening to the surroundings, the consecutive chambers of the tunnel having a controlled atmosphere obtained by injection, said injection of controlled atmosphere being set up in such a way that the net air transport in said tunnel is directed from chamber D to A and out to the surroundings as well as from chamber E and out to the surroundings, during which transferring the object receives a treatment comprising: applying, in chamber A, a microemulsion comprising a cleaning agent to said specific surface; rinsing, in chamber B, said specific surface with a volatile rinsing agent capable of removing said microemulsion from said specific surface; optionally drying, in optional chamber C, in such a way that said volatile rinsing agent is removed from said specific surface; and optionally adjusting, in optional chamber D, the temperature of said specific surface to the temperature of subsequent coating step; and c) transferring said moulded plastic object from any of chambers B -D to chamber E and coating said specific surface according to per se known methods.

IPC 8 full level
B05D 3/10 (2006.01); **B08B 3/08** (2006.01); **B29C 71/00** (2006.01); **C08J 7/00** (2006.01); **C08J 7/02** (2006.01); **C11D 1/66** (2006.01); **C11D 3/18** (2006.01); **C11D 3/20** (2006.01); **C11D 11/00** (2006.01); **C11D 17/00** (2006.01); **B05D 3/04** (2006.01)

CPC (source: EP)
C11D 3/18 (2013.01); **C11D 3/2006** (2013.01); **C11D 3/2093** (2013.01); **C11D 17/0021** (2013.01); **B05D 3/0486** (2013.01); **B05D 3/101** (2013.01); **C11D 2111/18** (2024.01)

Citation (search report)
• [A] WO 9516567 A1 19950622 - OAKS ROBERT E [US]
• See references of WO 2012087227A1

Cited by
CN103394482A

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)
WO 2012087227 A1 20120628; EP 2654975 A1 20131030; EP 2654975 A4 20150415

DOCDB simple family (application)
SE 2011051525 W 20111216; EP 11850874 A 20111216