

Title (en)

Method and device for removing contamination from surfaces of draw rollers that interact with one another

Title (de)

Verfahren und Vorrichtung zur Entfernung von Verschmutzungen auf Oberflächen ineinander greifender Streckwalzen

Title (fr)

Procédé et dispositif de suppression d'impuretés sur des surfaces de cylindres d'étirage agrippés les uns dans les autres

Publication

**EP 2559519 B1 20141203 (DE)**

Application

**EP 12179397 A 20120806**

Priority

DE 102011052771 A 20110817

Abstract (en)

[origin: EP2559519A1] The method involves stretching a material web (5) by elevations and recesses of surfaces, and blowing a stretching roller (7) during the running of stretching process of dry ice particles (9) on the surfaces. The contamination and excess dry ice are extracted from a profile surface of the stretching roller. The dry ice particle is blown by a nozzle (8) on the surface. A partial flow of a carrier gas stream of the dry ice particle is conveyed from a container. An independent claim is included for a device for removing contamination from surfaces of interlocked stretching rollers.

IPC 8 full level

**B24C 1/00** (2006.01); **B24C 3/04** (2006.01); **B32B 5/04** (2006.01); **B32B 27/08** (2006.01)

CPC (source: EP US)

**B24C 1/003** (2013.01 - EP US); **B24C 3/04** (2013.01 - EP US)

Cited by

CN111439022A; CN107098190A

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)

**EP 2559519 A1 20130220; EP 2559519 B1 20141203**; CN 103056781 A 20130424; CN 103056781 B 20170630;  
DE 102011052771 A1 20130221; ES 2527832 T3 20150130; JP 2013039560 A 20130228; PL 2559519 T3 20150731;  
US 2013206175 A1 20130815

DOCDB simple family (application)

**EP 12179397 A 20120806**; CN 201210293468 A 20120817; DE 102011052771 A 20110817; ES 12179397 T 20120806;  
JP 2012179143 A 20120813; PL 12179397 T 20120806; US 201213584985 A 20120814