

## Title (en)

DEVICE FOR AUTOMATICALLY UNWINDING WEB-SHAPED MATERIALS AND METHOD FOR OPERATING SUCH A DEVICE

## Title (de)

VORRICHTUNG ZUM AUTOMATISCHEN ABWICKELN VON BAHNFÖRMIGEN MATERIALIEN UND VERFAHREN ZUM BETREIBEN EINER DERARTIGEN VORRICHTUNG

## Title (fr)

DISPOSITIF DE DÉVIDAGE AUTOMATIQUE DE MATÉRIAUX EN BANDE CONTINUE ET PROCÉDÉ DE FONCTIONNEMENT D'UN TEL DISPOSITIF

## Publication

**EP 3038962 B1 20210407 (DE)**

## Application

**EP 14725167 A 20140520**

## Priority

- DE 102013109427 A 20130830
- EP 2014060305 W 20140520

## Abstract (en)

[origin: WO2015028159A1] The invention relates to a device for automatically unwinding web-shaped materials (8) from a parent roll (3) and to a method for operating such a device. The device comprises an input arm (2) and a first drive unit (6), wherein the parent roll (3) is rotatably supported on the input arm (2) by means of a winding core (4) of the parent roll and the first drive unit (6) serves to apply a driving force to the parent roll (3). In order to achieve high productivity, the unwinder (1) has a removal arm (13), with which a second drive unit (14) for applying a driving force to the parent roll (3) is associated, wherein the parent roll (3) can be transferred from the input arm (2) onto the removal arm (13) during an unwinding process. The material web (8) is then unwound from the parent roll (3) supported on the input arm (2) down to a specifiable minimum diameter, wherein the parent roll (3) is then transferred onto the removal arm (13) during the ongoing unwinding process and is actively unwound further there, wherein a new parent roll (3') is received by the input arm (2). Thus, uninterrupted unwinding is enabled.

## IPC 8 full level

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## Citation (examination)

- WO 2013098765 A2 20130704 - CELLI NONWOVENS SPA [IT]
- DE 4428739 C1 19960208 - VOITH GMBH J M [DE]
- WO 2013076011 A1 20130530 - PERINI FABIO SPA [IT]

## Cited by

WO2024110439A1; WO2024079121A1; WO2024079156A1

## Designated contracting state (EPC)

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