

Title (en)
DEVICE AND METHOD FOR IMAGING A WEB-SHAPED MATERIAL

Title (de)
VORRICHTUNG UND VERFAHREN ZUR ABBILDUNG EINES BAHNFÖRMIGEN MATERIALS

Title (fr)
DISPOSITIF ET PROCÉDÉ D'IMAGERIE D'UN MATÉRIAU SOUS FORME DE FEUILLE CONTINUE

Publication
EP 2766717 A1 20140820 (DE)

Application
EP 13783314 A 20131024

Priority
• DE 102012110793 A 20121109
• EP 2013072253 W 20131024

Abstract (en)
[origin: WO2014072184A1] The invention relates to a device for imaging a web-shaped material (5), comprising an object plane on which the web-shaped material (5) can be guided, a line-scan camera (4), an objective (3) which is designed to image a strip to be imaged with a length and a width on the object plane onto the line-scan camera (4), said length being greater than the width, and a strip-shaped lighting device (1) with a length and a width, said length being greater than the width. The lighting device (1) is designed such that the length of the lighting device extends substantially parallel to the length of the strip to be imaged, and the lighting device illuminates the strip to be imaged on the object plane during the operation of the device. A strip-shaped aperture (2) with a length and a width, said length being greater than the width, is arranged in a beam path between the lighting device and the strip to be imaged, wherein the length of the aperture extends substantially parallel to the length of the strip to be imaged.

IPC 8 full level
G01N 21/89 (2006.01)

CPC (source: EP)
G01N 21/8901 (2013.01); **G01N 21/896** (2013.01); **G01N 2021/8908** (2013.01); **G01N 2021/8918** (2013.01)

Citation (search report)
See references of WO 2014072184A1

Citation (examination)
• JP 2005300439 A 20051027 - CENTRAL GLASS CO LTD
• ANONYMOUS: "Diffusor (Optik) - Wikipedia", 27 November 2015 (2015-11-27), pages 1 - 2, XP055231986, Retrieved from the Internet <URL:https://de.wikipedia.org/w/index.php?title=Diffusor_(Optik)&printable=yes> [retrieved on 20151127]

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 102012110793 A1 20140515; DE 102012110793 B4 20200903; EP 2766717 A1 20140820; WO 2014072184 A1 20140515

DOCDB simple family (application)
DE 102012110793 A 20121109; EP 13783314 A 20131024; EP 2013072253 W 20131024