

Title (en)
Light source for UV-drying

Title (de)
Lichtquelle für UV-Trocknung

Title (fr)
Source de lumière pour séchage à UV

Publication
EP 2284006 A2 20110216 (DE)

Application
EP 10005831 A 20100605

Priority
CH 9102009 A 20090609

Abstract (en)
The source has a set of individual illumination sources emitting light with dominant wave length, and an optical unit with a reflector and/or a beam divider heterodyning the emitted light. The reflector is mounted and designed, such that the emitted light of the individual light source is reflected and strike heterodyned with the emitted light of another individual light source on an object field. The beam divider is mounted and designed, such that the emitted light of the former light source is reflected on the object field.

Abstract (de)
Eine Trockner-Lichtquelle (1), bei welcher das Licht einer Mehrzahl von Einzellichtquellen (3) mit Hilfe von optischen Elementen (6, 4, 7, 8) überlagert und gebündelt auf eine Objektebene (5) gebracht wird.

IPC 8 full level
B41F 23/04 (2006.01); **F26B 3/28** (2006.01)

CPC (source: EP US)
B41F 23/0409 (2013.01 - EP US); **B41F 23/0443** (2013.01 - EP US); **F21V 5/008** (2013.01 - EP US); **F26B 3/28** (2013.01 - EP US)

Citation (applicant)
• DE 4442557 A1 19960605 - HEIDELBERGER DRUCKMASCH AG [DE]
• DE 10225198 A1 20040122 - POLYTYPE S A [CH]
• DE 102007048282 A1 20090409 - WIFAG MASCHF AG [CH]
• DE 102007028403 A1 20081224 - PLATSCH GMBH & CO KG [DE]
• DE 102004015700 A1 20051103 - PLATSCH GMBH & CO KG [DE]

Cited by
DE102012008641A1; CN112386015A; US9266360B2; WO2013164051A1

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 SE SI SK SM TR

Designated extension state (EPC)
BA ME RS

DOCDB simple family (publication)
US 2010309659 A1 20101209; US 9440429 B2 20160913; CH 701249 A2 20101215; EP 2284006 A2 20110216

DOCDB simple family (application)
US 79635010 A 20100608; CH 9102009 A 20090609; EP 10005831 A 20100605