

Title (en)
ENHANCED MOISTURE REMOVAL SYSTEMS FOR PRINTING SYSTEMS

Title (de)
SYSTEME FÜR VERBESSERTE ENTFERNUNG VON FEUCHTIGKEIT FÜR DRUCKSYSTEME

Title (fr)
SYSTÈMES AMÉLIORÉS D'ÉLIMINATION DE L'HUMIDITÉ POUR SYSTÈMES D'IMPRESSION

Publication
EP 2897802 B1 20180307 (EN)

Application
EP 13838893 A 20130920

Priority
• US 201261704407 P 20120921
• US 201261704406 P 20120921
• US 2013061044 W 20130920

Abstract (en)
[origin: WO2014047515A1] Enhanced systems and associated structures are configured to efficiently remove moisture in printing environments, such as for ceramic printing systems that are configured to transport ceramic tiles past one or more print bars. In an exemplary embodiment, one or more vacuum plenums are provided for each print bar, wherein the vacuum plenums are specifically shaped to provide a desired, i.e. consistent, pressure differential in the region, e.g. to provide sufficient a sufficient vacuum force across a printing width of a transport belt, to adequately remove the moisture and other impurities from the region. While some systems may provide both pre and post print bar plenums, some preferred embodiments may preferably provide a single plenum with respect to each print bar, i.e. either before or after each respective print bar, such that the entire printing system may be more compactly packaged.

IPC 8 full level
B41F 21/08 (2006.01); **B41J 2/005** (2006.01); **B41J 3/407** (2006.01); **B41J 11/00** (2006.01); **B41J 25/00** (2006.01); **B41J 25/34** (2006.01); **B41J 29/02** (2006.01); **B41J 29/17** (2006.01); **B41J 29/38** (2006.01); **B41J 29/58** (2006.01); **B65H 5/02** (2006.01)

CPC (source: EP)
B41F 3/407 (2013.01); **B41J 11/007** (2013.01); **B41J 25/001** (2013.01); **B41J 25/34** (2013.01); **B41J 29/02** (2013.01); **B41J 29/17** (2013.01); **B41J 29/38** (2013.01); **B41J 29/58** (2013.01)

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 2014047515 A1 20140327; BR 112015006428 A2 20170808; BR 112015006428 A8 20190212; BR 112015006428 B1 20220125; BR 112015006429 A2 20170808; BR 112015006429 A8 20190212; BR 112015006429 B1 20220222; BR 112015006431 A2 20170808; BR 112015006431 A8 20190212; BR 112015006431 B1 20210803; CN 203740459 U 20140730; CN 203780074 U 20140820; CN 203792900 U 20140827; CN 203957550 U 20141126; CN 203957551 U 20141126; EP 2897801 A2 20150729; EP 2897801 A4 20170322; EP 2897801 B1 20190710; EP 2897801 B8 20191016; EP 2897802 A1 20150729; EP 2897802 A4 20161012; EP 2897802 B1 20180307; EP 2897805 A2 20150729; EP 2897805 A4 20161123; EP 2897805 B1 20181024; ES 1108831 U 20140508; ES 1108831 Y 20140804; ES 1135032 U 20141223; ES 1135032 Y 20150915; ES 2671552 T3 20180607; ES 2698533 T3 20190205; IT MI20130313 U1 20140322; IT MI20130314 U1 20140322; WO 2014047512 A2 20140327; WO 2014047512 A3 20140619; WO 2014047513 A2 20140327; WO 2014047513 A3 20140515

DOCDB simple family (application)
US 2013061044 W 20130920; BR 112015006428 A 20130920; BR 112015006429 A 20130920; BR 112015006431 A 20130920; CN 201320583988 U 20130922; CN 201320584186 U 20130922; CN 201320586292 U 20130922; CN 201320587447 U 20130922; CN 201320587461 U 20130922; EP 13838201 A 20130920; EP 13838893 A 20130920; EP 13839015 A 20130920; ES 13838201 T 20130920; ES 13838893 T 20130920; ES 201331084 U 20130920; ES 201331087 U 20130920; IT MI20130313 U 20130920; IT MI20130314 U 20130920; US 2013061039 W 20130920; US 2013061041 W 20130920