

Title (en)  
INK-JET RECORDING METHOD AND ACTINIC RAY CURABLE INK-JET INK SET

Title (de)  
TINTENSTRAHLAUFZEICHNUNGSVERFAHREN UND DURCH AKTINISCHEN STRAHL HÄRTBARER TINTENSTRAHLTINTENSATZ

Title (fr)  
PROCÉDÉ D'IMPRESSION À JET D'ENCRE ET KIT POUR JET D'ENCRE DURCISSABLE PAR RAYONNEMENT ACTINIQUE

Publication  
**EP 3594004 B1 20210915 (EN)**

Application  
**EP 19184770 A 20190705**

Priority  
JP 2018132833 A 20180713

Abstract (en)  
[origin: EP3594004A1] Provided is an ink-jet recording method using an actinic ray curable ink-jet ink set having a first ink-jet ink containing at least titanium oxide and a gelling agent, and a second ink-jet ink containing a colorant other than titanium oxide, the ink-jet recording method containing the steps of: forming a lower print layer by printing the first ink-jet ink; forming an upper print layer on the lower print layer by printing the second ink-jet ink; and curing the lower print layer and the upper print layer by irradiating the lower print layer and the upper print layer with actinic rays, wherein an oxygen concentration in an atmosphere to which the actinic rays are irradiated is controlled to be 10 volume% or less in the step of curing the lower print layer and the upper print layer.

IPC 8 full level  
**B41M 3/00** (2006.01); **B41M 7/00** (2006.01)

CPC (source: EP US)  
**B41M 3/008** (2013.01 - EP US); **B41M 7/0081** (2013.01 - EP)

Cited by  
WO2021224465A1

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 3594004 A1 20200115**; **EP 3594004 B1 20210915**; JP 2020011381 A 20200123; JP 7127398 B2 20220830

DOCDB simple family (application)  
**EP 19184770 A 20190705**; JP 2018132833 A 20180713