

Title (en)  
PRINTING APPARATUS AND PRINTING METHOD

Title (de)  
DRUCKVORRICHTUNG UND DRUCKVERFAHREN

Title (fr)  
IMPRIMANTE ET PROCÉDÉ D'IMPRESSION

Publication  
**EP 3263345 A1 20180103 (EN)**

Application  
**EP 17178160 A 20170627**

Priority  
JP 2016127302 A 20160628

Abstract (en)  
A printing apparatus includes a holding unit holding a bag with a storage portion that is pliable and in which ink used for printing is stored, and a discharge port through which the ink is discharged; and an agitating unit configured to agitate the ink. In the printing apparatus, the holding unit is configured to incline the storage portion with respect to a horizontal direction, and hold the bag in a posture where the discharge port is disposed below the storage portion in an inclination direction; and the agitating unit includes a pressing member configured to press the storage portion in the posture from a lower side toward an upper side in the inclination direction and deform the storage portion.

IPC 8 full level  
**B41J 2/175** (2006.01)

CPC (source: EP)  
**B41J 2/175** (2013.01); **B41J 2/17513** (2013.01)

Citation (applicant)  
• JP 2006326929 A 20061207 - FUJIFILM HOLDINGS CORP  
• JP 2011240687 A 20111201 - CANON KK  
• JP 2013237219 A 20131128 - SEIKO EPSON CORP

Citation (search report)  
• [X] US 2007052768 A1 20070308 - OHASHI TETSUYA [JP], et al  
• [X] US 8287064 B2 20121016 - AKATSUKA YASUSHI [JP], et al  
• [XD] JP 2013237219 A 20131128 - SEIKO EPSON CORP  
• [I] EP 1764223 A2 20070321 - CANON KK [JP]  
• [I] US 2010053280 A1 20100304 - OHASHI TETSUYA [JP], et al  
• [X] US 2016082739 A1 20160324 - TAKAGIWA YUTAKA [JP]  
• [I] US 2014078226 A1 20140320 - SATOH MITSURU [JP], et al

Cited by  
US11453219B2; WO2019194807A1

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

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**EP 3263345 A1 20180103**; **EP 3263345 B1 20201111**; CN 107538923 A 20180105; CN 107538923 B 20210108; JP 2018001443 A 20180111; JP 6780321 B2 20201104

DOCDB simple family (application)  
**EP 17178160 A 20170627**; CN 201710491369 A 20170623; JP 2016127302 A 20160628