

Title (en)

SOLID CONTENT SEPARATION DEVICE FOR LIQUID TONER

Title (de)

FESTKÖRPERABSCHEIDUNGSVORRICHTUNG FÜR EINEN FLÜSSIGEN TONER

Title (fr)

DISPOSITIF DE SÉPARATION DE CONTENU SOLIDE POUR TONER LIQUIDE

Publication

**EP 2541336 A1 20130102 (EN)**

Application

**EP 11747123 A 20110127**

Priority

- JP 2010039415 A 20100224
- JP 2011051621 W 20110127

Abstract (en)

A solid content separation device 50 includes a tray 51, a pushing blade 53, a cylinder device 53a, a used liquid toner tank 54a, a recycled carrier tank 54b, and a solid content tank 54c. In the solid content separation device 50, a liquid toner T is introduced from the used liquid toner tank 54a to the tray 51. Solid contents K contained in the liquid toner T introduced to the tray 51 are aggregated on the tray 51. In the solid content separation device 50, when the cylinder device 53a is actuated, the pushing blade 53 introduces the aggregated solid contents to the solid content tank 54c. In the solid content separation device 50, a liquid C (mainly composed of a carrier) reduced in the amount of the solid contents K is introduced to the recycled carrier tank 54b.

IPC 8 full level

**G03G 15/10** (2006.01)

CPC (source: EP)

**G03G 15/10** (2013.01); **G03G 21/0088** (2013.01); **G03G 21/10** (2013.01)

Citation (search report)

See references of WO 2011105159A1

Cited by

CN109791390A; US10719036B2; US12023611B2

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 2541336 A1 20130102**; JP 5389252 B2 20140115; JP WO2011105159 A1 20130620; WO 2011105159 A1 20110901

DOCDB simple family (application)

**EP 11747123 A 20110127**; JP 2011051621 W 20110127; JP 2012501713 A 20110127