

Title (en)

PRINTER FOR SUPPORTS MADE OF COMPOSTABLE MATERIAL

Title (de)

DRUCKER FÜR AUS KOMPOSTIERBAREM MATERIAL HERGESTELLTE TRÄGER

Title (fr)

IMPRIMANTE POUR SUPPORTS CONSTITUÉS D'UN MATÉRIAU COMPOSTABLE

Publication

**EP 3808566 A1 20210421 (EN)**

Application

**EP 20201461 A 20201013**

Priority

IT 201900019331 A 20191018

Abstract (en)

Described is a printer of supports made of compostable material comprising an inlet opening (2) configured for inserting a flap (3) of the support made of compostable material, means (4) for feeding said flap (3) configured for picking up the flap (3) introduced through the inlet opening (2) and feeding it to an end of stroke position; the feed means (4) are configured to expel the flap (3) through the inlet opening (2) from the end of stroke position; a thermal transfer printing unit (5) comprising a roller (6) for unwinding a reel (7) of carbon-coated tape (10), a print head (8), configured to heat, and a contact element (9) of the print head (8); the print head (8) is configured to pass from a non-operating position, at which it is positioned raised relative to the contact element in such a way that the flap (3) can advance through the gap defined by the print head (8) and by the contact element (9), to an operating position, at which the print head (8) lowers towards the contact element (9) in such a way as to bring into contact a respective portion of the carbon-coated tape (10) with the flap (3) and it heats to release the ink of the carbon-coated tape (10) on the flap (3); the print head (8) passes from the non-operating position to the operating position during the expulsion of the flap (3) through the inlet opening (2).

IPC 8 full level

**B41J 2/325** (2006.01); **B41J 3/407** (2006.01)

CPC (source: EP)

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Citation (search report)

- [XII] US 6580444 B1 20030617 - DRYNKIN ALEXANDER V [US], et al
- [XII] US 6312174 B1 20011106 - DRYNKIN ALEXANDER V [US], et al
- [XII] JP 2004174897 A 20040624 - OKAYAMA MASAHIRO
- [XII] US 2012229822 A1 20120913 - SHIMODA TOMOHIKO [JP], et al

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Designated contracting state (EPC)

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