

Title (en)

AIR CIRCULATION SYSTEM FOR A CONTINUOUS INKJET PRINTER

Title (de)

LUFTZIRKULATIONSSYSTEM FÜR EINEN KONTINUIERLICH ARBEITENDEN TINTENSTRAHLDRUCKER

Title (fr)

SYSTÈME DE CIRCULATION D'AIR POUR UNE IMPRIMANTE À JET D'ENCRE CONTINU

Publication

**EP 4186705 A1 20230531 (EN)**

Application

**EP 21306659 A 20211129**

Priority

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Abstract (en)

The invention concerns a continuous inkjet (CIJ) printer, comprising:- a cabinet (100),- at least two heat generating components (10, 34, 42) located within said cabinet,- an air circulation system to generate an air flow within the cabinet to evacuate heat from the heat generating components, said air circulation system comprising at least one air inlet (2) for introducing ambient air into the cabinet, an air outlet (20) for evacuating air outside of the cabinet, an air flow path extending between the air inlet and the air outlet and an air circulation device (12), characterized in that the flow path is separated in at least two distinct flow paths (3, 5), wherein at least a first air flow path (3) accommodates a first heat generating component (10) and a second air flow path (5) accommodates a second heat generating component (34).

IPC 8 full level

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CPC (source: EP)

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Citation (applicant)

EP 3098075 A1 20161130 - DOVER EUROP SÀRL [CH]

Citation (search report)

- [X] US 2012306949 A1 20121206 - ROLLAND NICOLAS [FR]
- [X] US 2005157095 A1 20050721 - SILVERBROOK KIA [AU], et al
- [X] US 2013286077 A1 20131031 - MORGAN JONATHAN [GB], et al
- [X] US 10421303 B2 20190924 - STAMP MICHAEL [GB], et al
- [X] US 2011043583 A1 20110224 - SILVERBROOK KIA [AU], et al
- [X] US 10442204 B2 20191015 - DE SAINT ROMAIN PIERRE [FR], et al

Cited by

WO2022144430A1

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