

Title (en)
AIR CONDITIONING OF DIRECT PRINTING MACHINES

Title (de)
KLIMATISIERUNG VON DIREKTD RUCKMASCHINEN

Title (fr)
CLIMATISATION DE MACHINES D'IMPRESSION DIRECTES

Publication
EP 3450178 B1 20200401 (DE)

Application
EP 18170525 A 20180503

Priority
DE 102017215434 A 20170904

Abstract (en)
[origin: CN109421391A] The invention relates to a device for climate control of an interior of a machine in the food and beverage industry, in particular for climate control of an interior of a direct printing machine, comprising: at least one air discharge system for discharging air from the interior of the machine comprising at least one air extraction duct configured for the selective extraction of contaminated air, e.g. print mist, or configured for the selective extraction of high-temperature air, e.g. air heated by light sources for hardening and/or curing inks, or at least one air discharge system for discharging air from the interior of the machine comprising at least two separate air extraction ducts, where at least one air extraction duct is configured for the selective extraction of contaminated air, e.g. print mist, and at least one air extraction duct is configured for the selective extraction of high-temperature air, e.g. air heated by light sources for hardening and/or curing inks, and at least one air supply system for supplying air to the interior of the machine, where the supplied air comprises fresh air and/or purified extracted air.

IPC 8 full level
B41J 2/17 (2006.01); **B41J 3/407** (2006.01); **B41J 29/377** (2006.01)

CPC (source: CN EP US)
B41J 2/1714 (2013.01 - EP US); **B41J 2/375** (2013.01 - CN); **B41J 3/4073** (2013.01 - EP US); **B41J 3/40733** (2020.08 - EP US);
B41J 29/12 (2013.01 - US); **B41J 29/17** (2013.01 - US); **B41J 29/377** (2013.01 - CN EP US); **F24F 5/00** (2013.01 - US);
F24F 7/007 (2013.01 - US); **F24F 7/04** (2013.01 - US); **F24F 7/08** (2013.01 - US)

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 3450178 A2 20190306; **EP 3450178 A3 20190522**; **EP 3450178 B1 20200401**; CN 109421391 A 20190305; CN 109421391 B 20210112;
DE 102017215434 A1 20190307; US 11460199 B2 20221004; US 2019070875 A1 20190307

DOCDB simple family (application)
EP 18170525 A 20180503; CN 201810961443 A 20180822; DE 102017215434 A 20170904; US 201816052428 A 20180801