

Title (en)
DETERGENT FOR PRINTING MACHINES

Title (de)
WASCHMITTEL FÜR DRUCKMASCHINEN

Title (fr)
DÉTERGENT POUR MACHINES D'IMPRESSION

Publication
EP 3922464 A4 20221207 (EN)

Application
EP 20753165 A 20200124

Priority
• JP 2019017675 A 20190204
• JP 2020002498 W 20200124

Abstract (en)
[origin: EP3922464A1] The present invention provides a detergent for printing machines, said detergent containing at least water and a compound that contains an amino group and a carboxyl group, and having a pH of 8.0 to 13.0, inclusive. With this detergent for printing machines, it is easy to remove ink from the rollers of printing machines and efficiently clean the rollers. The present invention makes it possible to obtain a detergent for printing machines which generates minimal amounts of volatile organic compounds (VOC). This detergent for printing machines is safe and causes minimal environmental pollution. The present invention also provides a method for cleaning active energy beam-curable ink using a detergent for printing machines, said detergent containing at least water and a compound that contains an amino group and a carboxyl group, and having a pH of 8.0 to 13.0, inclusive. This method for cleaning active energy beam-curable ink facilitates installation to printing equipment, is safe, and causes minimal environmental pollution.

IPC 8 full level
B41F 35/02 (2006.01); **B41F 35/06** (2006.01); **C11D 1/72** (2006.01); **C11D 3/33** (2006.01)

CPC (source: EP)
B41F 35/02 (2013.01); **B41F 35/06** (2013.01); **C11D 1/72** (2013.01); **C11D 3/33** (2013.01)

Citation (search report)
• [XY] JP 2001255667 A 20010921 - FUJI PHOTO FILM CO LTD
• [XY] CN 108546450 A 20180918 - UNIV NANJING INFORMATION SCIENCE & TECH
• [XY] US 5888308 A 19990330 - SACHDEV KRISHNA G [US], et al
• See also references of WO 2020162224A1

Cited by
WO2022160034A1

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 3922464 A1 20211215; **EP 3922464 A4 20221207**; CN 113382871 A 20210910; CN 113382871 B 20230808; JP 7413994 B2 20240116; JP WO2020162224 A1 20211202; WO 2020162224 A1 20200813

DOCDB simple family (application)
EP 20753165 A 20200124; CN 202080012210 A 20200124; JP 2020002498 W 20200124; JP 2020507116 A 20200124