

Title (en)

DIGITAL TEXTILE PRINTING INKS HAVING ZERO VOLATILE ORGANIC COMPOUND SOLVENTS THEREIN

Title (de)

DIGITALE TEXTILDRUCKTINTEN MIT LÖSUNGSMITTELN AUS EINER FLÜCHTIGEN ORGANISCHEN VERBINDUNG

Title (fr)

ENCRES D'IMPRESSION TEXTILES NUMÉRIQUES DANS LESQUELLES IL Y A DES SOLVANTS DE COMPOSÉS ORGANIQUES NON VOLATILS

Publication

EP 4248010 A1 20230927 (EN)

Application

EP 21791106 A 20210910

Priority

- US 202016951188 A 20201118
- US 202016951197 A 20201118
- US 2021049824 W 20210910

Abstract (en)

[origin: WO2022108648A1] An ink, having a viscosity of 2.5 to 15 centipoise at 25°C, for textile printing includes pigment; a water dispersible anionic polymeric resin; a water soluble zero volatile organic compound solvent with a boiling point of 250°C or greater; a crosslinking agent; and water. The water dispersible polymeric resin has particles with a median volume weighted size of less than 150 nm and a 95th percentile volume weighted size of less than 250 nm. The water dispersible polymeric resin has an acid number value of 5 to 40, a resin film elongation of 500 to 1200%, and a film tensile strength of 10 to 60 mPa.

IPC 8 full level

D06P 5/30 (2006.01); **D06P 1/44** (2006.01); **D06P 1/52** (2006.01); **D06P 1/54** (2006.01)

CPC (source: EP)

D06P 1/44 (2013.01); **D06P 1/5285** (2013.01); **D06P 1/54** (2013.01); **D06P 5/30** (2013.01)

Citation (search report)

See references of WO 2022108648A1

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

Designated extension state (EPC)

BA ME

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

WO 2022108648 A1 20220527; EP 4248010 A1 20230927; JP 2023548665 A 20231120

DOCDB simple family (application)

US 2021049824 W 20210910; EP 21791106 A 20210910; JP 2023522363 A 20210910