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**EVERHARDUS et al.**(10) **Pub. No.: US 2014/0364548 A1**(43) **Pub. Date: Dec. 11, 2014**(54) **INK COMPOSITION**(71) Applicant: **OCE-TECHNOLOGIES B.V.**, Venlo (NL)(72) Inventors: **Roelof H. EVERHARDUS**, Lomm (NL); **Gerardus C. P. VERCOULEN**, Velden (NL); **Johannes F. J. VAN GAGELDONK**, Venlo (NL); **Johan P. J. LENDERS**, Leveroy (NL); **Antonius P. M. M. VAN ROY**, Grashoek (NL)(21) Appl. No.: **14/465,917**(22) Filed: **Aug. 22, 2014****Related U.S. Application Data**

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The present invention relates to an ink composition suitable for being ejected from an inkjet marking device at an operating temperature. The ink composition comprises a water-dispersible resin and has a dynamic surface tension of below 35 mN/m and a static surface tension of above 21 mN/m both determined at the operating temperature. The ink composition may comprise a mixture of water-soluble organic solvents having a difference in the relative dielectric constant of more than 5, preferably between 10 and 50. The ink composition may comprise a polymeric cosolvent, in particular a polyethylene glycol or polyethylene glycol (di)methyl ether. The ink composition may comprise a mixture of surfactants comprising at least one surfactant of a first type selected from the group consisting of acetylene glycols and ethoxylated acetylene glycols and at least one surfactant of a second type selected from the group consisting of silicone surfactants and fluorochemical surfactants.

