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**United States Patent**

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(12) **United States Patent**  
**Kitagawa et al.**

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(54) **METHOD FOR INKJET TEXTILE PRINTING**

**FOREIGN PATENT DOCUMENTS**

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(\* ) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 234 days.

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See application file for complete search history.

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(57) **ABSTRACT**

Method for inkjet textile printing comprising a printing step for printing an aqueous pigment ink on a specifically pretreated portion of a textile fiber product by an inkjet process, wherein said specific pretreatment is performed by applying at least:

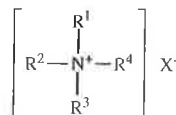
(A) a quaternary ammonium salt type cationic surfactant represented by the formula (1) below, and

(B) a block isocyanate compound to the entire textile fiber product or a required portion thereof, and said aqueous pigment ink comprises at least a pigment, an aqueous liquid as a solvent or dispersion medium, and:

(C) a water-soluble dispersing agent having a crosslinking property,

(D) a self-emulsifying type urethane resin, and

(E) a block isocyanate compound.



[Two of R<sup>1</sup> to R<sup>4</sup>: alkyl having 8 to 18 carbon atoms; the remaining two: methyl or ethyl; X<sup>-</sup>: anion.]

**20 Claims, No Drawings**