

Title (en)

INK COMPOSITIONS HAVING MODIFIED PIGMENTS WITH HIGH OR LOW TREATMENT LEVELS

Title (de)

TINTENZUSAMMENSETZUNGEN, ENTHALTEND MODIFIZIERTE PIGMENTE MIT HOHEM ODER NIEDRIGEM BEHANDLUNGSNIVEAU

Title (fr)

COMPOSITIONS D'ENCRE RENFERMANT DES PIGMENTS MODIFIES A NIVEAUX DE TRAITEMENTS ELEVES OU FAIBLES

Publication

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Application

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Priority

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Abstract (en)

[origin: WO0110963A1] Ink compositions having modified pigments with high or low treatment levels are described. Ink compositions having modified pigments with high treatment levels comprise 1) at least one liquid vehicle and 2) at least one modified pigment, wherein the modified pigment comprises at least one pigment having attached at least one organic group substituted with at least one anionic group, at least one anionizable group, or a mixture thereof, wherein the organic group is present at a treatment level of from about 4.5 to about 7.5 micromoles/m² of the pigment used based on nitrogen surface area of the pigment. Ink compositions having modified pigments with low treatment levels comprise 1) at least one liquid vehicle and 2) at least one modified pigment, wherein the modified pigment comprises at least one pigment having attached at least one organic group substituted with at least one cationic group, at least one cationizable group, or a mixture thereof, wherein the organic group is present at a treatment level of from about 1 to about 4 micromoles/m² of the pigment used based on nitrogen surface area of the pigment. The present invention further relates to methods for improving intercolor bleed properties of an ink, by using the above-described components in an ink.

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IPC 8 full level

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- US 5630868 A 19970520 - BELMONT JAMES A [US], et al

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