

Title (en)
Digital image forming process and silver halide color photographic material

Title (de)
Numerisches Bilderzeugungsverfahren und farbphotographisches Silberhalogenidmaterial

Title (fr)
Procédé de formation d'image numérique et matériau photographique couleur à l'halogénure d'argent

Publication
EP 1037104 A1 20000920 (EN)

Application
EP 00200989 A 20000317

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Abstract (en)
The invention is directed to an image formation process, said process including the development of an exposed color photographic material and the output of the image information to a printer, wherein said process comprises: (1) photoelectric reading of the recorded image information on the said developed color photographic material, (2) the conversion of the image information obtained by said photoelectric reading into a digital image information, (3) providing said digital image information with digital image processing so that preferable image characteristics can be obtained, and (4) output said information on an output material with a printer, said color photographic material further being characterised in that after development under standard conditions. (5) for the yellow, magenta, and cyan colors the value of the maximum transmittance, T_{max} , is 0.5 or more, and $T1-T0$ is -0.15 or more, and 0.3 or less. said value being defined on the basis of the characteristic curve of the said color photographic material shown in a rectangular co-ordinate system, whose vertical axis shows the transmittance of the said developed photographic material and the horizontal axis shows the logarithm of the light exposure, the point A on the characteristic curve is defined at a transmittance of $(T_{max} - 0.03)$, E_a is defined as the value of logarithm of the light exposure at the point A, the point B on the characteristic curve is defined at a transmittance of $(T_{min} + 0.03)$ (T_{min} is the minimum transmittance), E_b is defined as the value of logarithm of the light exposure at the point B, the transmittance value which corresponds to $(E_a + E_b)/2$ on the straight line AB is defined as T_0 , and the transmittance value which corresponds to $(E_a + E_b)/2$ on the said characteristic curve is defined as T_1 . (6) said color photographic material has at least one layer which contains the dye forming coupler and the silver halide, whose silver/coupler ratio is 150 mol/mol or more and 2000 mol/mol or less

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Citation (search report)
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