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(71) Applicant: **FUJI PHOTO FILM CO., LTD.**
210 Nakanuma Minami Ashigara-shi
Kanagawa 250-01(JP)

(72) Inventor: **Mifune, Hiroyuki**
No. 210, Nakanuma
Minami Ashigara-shi Kanagawa(JP)
 Inventor: **Takada, Shunji**
No. 210, Nakanuma
Minami Ashigara-shi Kanagawa(JP)

(74) Representative: **Patentanwälte Dr. Solf & Zapf**
Zeppelinstrasse 53
D-8000 München 80(DE)

(54) **Silver halide photographic material.**

(57) A silver halide photographic material composed of a support having thereon at least one silver halide emulsion layer containing substantially normal silver halide grains having a (111) plane and a (100) plane and capable of preferentially forming a latent image on the (100) plane; the (111) plane occupying at least about 40% of the surface of the grains or the (100) plane occupying more than about 60% of the surface of the grains; provided that when the (111) plane occupies at least about 40% of the surface of the grains, the grains are spectrally sensitized with (a) at least one spectral sensitizing dye selectively adsorbed more on the (100) plane than on the (111) plane, or (b) at least one spectral sensitizing dye selectively adsorbed more on the (111) plane than on the (100) plane. Since most of a sensitizing dye and the site where a latent image is formed can be separated on the surface of silver halide grains, the photographic material exhibits high sensitivity even when developed with a developing solution having low solubility.

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DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.4)
Y	JP-A-6193447 (FUJI) * page 13, right-hand column, lines 5 - 10 * abstract* ---	1-20	G03C1/02 G03C1/12
Y	GB-A-2132372 (KODAK) * page 3, lines 50 - 52 * ---	1-20	
Y	EP-A-0097720 (KONISHIROKU) * page 10, line 33 - page 11, line 21 * ---	1-20	
Y	EP-A-0096727 (KONISHIROKU) * page 23, lines 14 - 17 * * page 24, line 3 * ---	1-20	
Y	DE-A-3644223 (FUJI) * page 3, line 26 - page 4, line 15 * * page 5, lines 17 - 27 * compound D-2* ---	1-20	
A	EP-A-0147854 (FUJI) * page 11, line 22 - page 12, line 10 * ---	1-20	
A	PATENT ABSTRACTS OF JAPAN vol. 11, no. 270 (P-611)(2717) 3 September 1987, & JP-A-62 71947 (ORIENTAL) 2 April 1987, * the whole document * ---	1-20	TECHNICAL FIELDS SEARCHED (Int. Cl.4)
A	PATENT ABSTRACTS OF JAPAN vol. 8, no. 153 (P-287)(1590) 17 July 1984, & JP-A-59 50438 (KONISHIROKU) 23 March 1984, * the whole document * -----	16-18	G03C
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 30 AUGUST 1990	Examiner MAGRIZOS S.
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document I : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			