

Title (en)

Ink-jet recording sheet containing aluminium and magnesium salts

Title (de)

Tintenstrahlaufzeichnungsblatt, das Aluminium- und Magnesiumsalze enthält

Title (fr)

Feuille pour l'enregistrement par jet d'encre contenant des sels d'aluminium et de magnésium

Publication

EP 1036666 A1 20000920 (EN)

Application

EP 00302013 A 20000313

Priority

- JP 6855399 A 19990315
- JP 9140399 A 19990331

Abstract (en)

The present invention relates to a recording material that can be printed with ink containing water-soluble dye. In particular, the present invention relates to an ink jet recording sheet which provides a high quality image with a superior resistance to light. One subject of the present invention is an ink jet recording sheet having on at least one side of a support an ink-receiving layer comprising pigment and binder, wherein said ink-receiving layer contains a water-soluble aluminum salt and a water-soluble magnesium salt, the content of aluminum ion and magnesium ion being about 3 to 5 milli-mol per 100g of said pigment and the content of aluminum ion being about 1 to 2 milli-mol per 100g of said pigment.

IPC 1-7

B41M 5/00

IPC 8 full level

B41M 5/52 (2006.01); **B41M 5/50** (2006.01)

CPC (source: EP)

B41M 5/5218 (2013.01); **B41M 5/506** (2013.01); **B41M 5/5227** (2013.01); **B41M 2205/38** (2013.01)

Citation (search report)

- [A] EP 0436230 A1 19910710 - CANON KK [JP]
- [A] EP 0391308 A1 19901010 - CANON KK [JP]
- [A] US 4740420 A 19880426 - AKUTSU EIICHI [JP], et al
- [A] PATENT ABSTRACTS OF JAPAN vol. 12, no. 257 (M - 719) 20 July 1988 (1988-07-20)

Cited by

KR100799474B1; EP1775141A1; EP2028015A1; US8440053B2; US7727602B2; WO2004045861A1; WO02055618A1; WO0240288A1; WO2009124075A1; US8586156B2; US8697203B2; US8608908B2; EP2559809A1; CN103790067A; EP3000933A1; US7384464B2; US8758886B2; WO02053655A3

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

EP 1036666 A1 20000920; **EP 1036666 B1 20040526**; DE 60010955 D1 20040701; DE 60010955 T2 20050623

DOCDB simple family (application)

EP 00302013 A 20000313; DE 60010955 T 20000313