

Title (en)

Ink-jet recording medium containing a vanadyl salt

Title (de)

Tintenstrahlaufzeichnungsmaterial, das ein Vanadiumsalz enthält

Title (fr)

Matériau d'enregistrement par jet d'encre contenant un sel du vanadium

Publication

EP 0704316 B1 19980422 (EN)

Application

EP 95420268 A 19950925

Priority

US 31580894 A 19940930

Abstract (en)

[origin: EP0704316A1] A recording medium for ink-jet printing which comprises a transparent or an opaque support having on at least one surface thereof an ink-receptive layer that can be imaged by the application of liquid ink droplets applied thereto which comprises at least one ink-absorbent polymer or resin and from 0.001 to 5.0 percent by weight, based on the total weight of the ink-receptive layer, of a vanadyl salt of the formula: $n\text{V}=\text{O}\text{Ü}^{+}<+><2> \text{mX}^{<->\text{a}}>$ wherein X is an acid anion, a is 1, 2 or 3 and n and m satisfy the relationship $2n = am$. The ink-receptive layer substantially reduces or prevents images formed thereon with inks containing triarylmethane dyes from fading and/or distorting.

IPC 1-7

B41M 5/00

IPC 8 full level

B41M 5/00 (2006.01); **B41M 5/50** (2006.01); **B41M 5/52** (2006.01); **D21H 19/38** (2006.01)

CPC (source: EP)

B41M 5/5218 (2013.01); **B41M 5/506** (2013.01); **B41M 5/508** (2013.01); **B41M 5/52** (2013.01); **B41M 5/5254** (2013.01); **B41M 5/5272** (2013.01); **B41M 2205/38** (2013.01)

Cited by

EP0842786A1; EP0841185A1

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

EP 0704316 A1 19960403; **EP 0704316 B1 19980422**; DE 69502156 D1 19980528; DE 69502156 T2 19981203; JP H08187935 A 19960723

DOCDB simple family (application)

EP 95420268 A 19950925; DE 69502156 T 19950925; JP 25346295 A 19950929