

Title (en)  
INK SHEET REPEATEDLY USABLE IN THERMAL RECORDING

Publication  
**EP 0260347 A3 19890927 (EN)**

Application  
**EP 86117680 A 19861218**

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Abstract (en)  
[origin: EP0260347A2] A reusable thermal ink sheet for thermal printing having an improved thermal ink composition layer formed on a substrate is proposed. The thermal ink composition is a mixture of ink material and filler. The ink material includes coloring agent and low temperature melting compound which is solid at room temperature, and is melted during thermal printing in response to a printing image to be transferred. The low temperature melting compound contains urethane compound as a base material and additive material as a viscosity modulator thereof which lowers the viscosity of the ink material at printing temperature. The additive material contains one or more fatty acids, fatty acid amides and/or ester compounds. The improved ink sheet can give a high quality printing image on plain paper with a rough surface, free from ghost images and background noise, after up to e.g. 10 printings. A plasticizer may be added to the ink material to improve the thermal printing ability at low temperatures

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IPC 8 full level  
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CPC (source: EP KR)  
**B41M 5/26** (2013.01 - KR); **B41M 5/30** (2013.01 - KR); **B41M 5/392** (2013.01 - EP)

Citation (search report)  
• [A] US 4585688 A 19860429 - NAKAMURA MASAKI [JP], et al  
• [A] DE 3507097 A1 19850905 - CANON KK [JP]  
• [XP] PATENT ABSTRACTS OF JAPAN, vol. 11, no. 372 (M-648)[2819], 4th December 1987, page 68 M 648; & JP-A-62 144 996 (FUJITSU LTD) 29-06-1987  
• [XP] PATENT ABSTRACTS OF JAPAN, vol. 11, no. 368 (M-647)[2815], 2nd December 1987, page 99 M 647; & JP-A-62 142 690 (FUJITSU LTD) 26-06-1987

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