

Title (en)

A THERMAL HEAD

Publication

EP 0092005 B1 19850327 (EN)

Application

EP 82302017 A 19820420

Priority

EP 82302017 A 19820420

Abstract (en)

[origin: EP0092005A1] A thermal head for high speed printing at high temperature comprises a dielectric substrate (10, 15), a first thin SiO₂ layer (20) formed on the substrate, a heater layer (30) on the first SiO₂ layer, conductive layers (40) for coupling the heater layers to an external circuit, a second thin SiO₂ layer (50) on the heater layer, and a protection layer (60) over the second SiO₂ layer. The width of the heater layer is less than 30 μ m. The preferable thickness of the SiO₂ layers is less than 2 μ m. Preferably, the heater layer is made of tantalum nitride. The presence of the first SiO₂ layer (20) and the narrow width of the heater layer (30) allow the heater to operate at a higher input power, and hence at a higher temperature.

IPC 1-7

B41J 3/20

IPC 8 full level

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CPC (source: EP)

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Cited by

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