

Title (en)
Thermal printhead

Title (de)
Thermodruckkopf

Title (fr)
Tête d'imprimante thermique

Publication
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Application
EP 99204069 A 19991201

Priority
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Abstract (en)
[origin: EP1104700A1] A thermal head comprising a heatsink (31), heating elements (39) made of a heating material (36), electrodes (48, 49), and optionally additional layers, wherein the heating elements are optically transparent by having, within wavelengths ranging from 350 to 1200 nm, a transparency higher than 70 %. The heating material is selected from a group consisting of In₂O₃ optionally doped; SnO₂ optionally doped; ZnO optionally doped; Cd₂SnO₄, or CdSnO₃; Bi₂O₃; MoO₃; TiO₂; WO₂; RhO₂; ReO₂; Na_xWO₃; Zn₂SnO₄, and V₂O₅. Alternatively, the heating material is a conductive polymer. Also disclosed is the use of a such a thermal head in e.g. thermography and in photothermography. <IMAGE>

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