

Title (en)

Thermal recording by means of a flying spot

Title (de)

Thermische Aufzeichnung mittels Lichtpunktabtastung

Title (fr)

Enregistrement thermique au moyen d'un spot mobile

Publication

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Application

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Priority

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Abstract (en)

[origin: EP1300251A1] An apparatus for thermal recording an image in a substantially light-insensitive thermographic material m having a burning temperature Tb, the substantially light-insensitive thermographic material m comprising a thermosensitive element having a conversion temperature Tc , a support, and at least one light-to-heat conversion agent, comprises a means for generating a radiation beam 20 including wavelengths λ absorbed by the light-to-heat conversion agent and an optical means of scanning a line 40 of the substantially light-insensitive thermographic material m with the radiation beam 20 at different positions thereon along a scanning direction at each point of time in a scanning cycle; and a method for recording information, comprising the steps of: providing an apparatus for thermal recording 1, the above-mentioned substantially light-insensitive thermographic material m (5); generating a radiation beam 20 including wavelengths λ absorbed by the light-to-heat conversion agent and being modulated in accordance with the information to be recorded; scanning a line 40 of the substantially light-insensitive thermographic material m a first time with the radiation beam, thereby heating the line of the substantially light-insensitive thermographic material m to a first predetermined temperature T1 being above the conversion temperature Tc and below the burning temperature Tb of the substantially light-insensitive thermographic material m; re-scanning the same line of the substantially light-insensitive thermographic material m a plurality of times ns with the radiation beam being identically modulated in accordance with the information to be recorded. <IMAGE>

IPC 8 full level

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