

Title (en)
METHOD AND DEVICE FOR TREATING THIN LAYERS OF AMORPHOUS SILICON

Title (de)
VERFAHREN UND VORRICHTUNG ZUR BEHANDLUNG VON DÜNNSCHICHTEN AUS AMORPHEM SILIZIUM

Title (fr)
PROCEDE ET DISPOSITIF DE TRAITEMENT DE COUCHES MINCES DE SILICIUM AMORPHE

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Application
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Abstract (en)
[origin: FR2792112A1] The invention concerns the field of treatments, by energy intake, of thin deposited layers of hydrogenated amorphous silicon to modify a selected physico-chemical property of the layers. The invention is characterised in that it consists in illuminating the layers with a light source emitting a radiation of wavelength included in an optical absorption band of the amorphous silicon, and capable of delivering at least a treating pulse, lasting between 50 ns and 500 ns, thereby enabling the raise the electronic mobility (μ) of the thin layer by a factor ranging between 1.5 and 10.

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IPC 8 full level
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