

Title (en)

METHOD FOR TRANSFERRING A THIN LAYER COMPRISING A STEP OF EXCESS FRAGILIZATION

Title (de)

VERFAHREN ZUR ÜBERTRAGUNG EINER DÜNNEN SCHICHT UNTER VERWENDUNG EINES VERSPRÖDUNGSSCHRITTES

Title (fr)

PROCEDE DE TRANSFERT D'UNE COUCHE MINCE COMPORTANT UNE ETAPE DE SURFRAGILISATION

Publication

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Application

EP 00956612 A 20000803

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Abstract (en)

[origin: FR2797347A1] The invention concerns a method for transferring a thin layer (18) from a source substrate (10) to a target support (30) comprising the following steps: a) implanting ions or gaseous species into the source substrate so as to form therein a zone (16) called cleavage zone, delimiting said thin layer (18) in the source substrate; b) transferring the substrate source onto the target support and making the thin layer integral with the target source; c) separating the thin layer (18) from the source substrate (10) along the cleavage zone. The invention is characterised in that the method comprises, prior to step b): a process for excess fragilization of the cleavage zone (16) produced by a heat treatment and/or by exerting mechanical stresses on the source substrate.

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