

Title (en)

A METHOD OF PRODUCING SUBSTRATES OR COMPONENTS ON SUBSTRATES INVOLVING TRANSFER OF A USEFUL LAYER, FOR MICROELECTRONICS, OPTOELECTRONICS, OR OPTICS

Title (de)

VERFAHREN ZUR HERSTELLUNG VON SUBSTRATEN ODER BAUELEMENTEN AUF SUBSTRATEN MITTELS ÜBERTRAGUNG EINER NÜTZLICHEN SCHICHT FÜR MIKROELEKTRONIK, OPTOELEKTRONIK ODER OPTIK.

Title (fr)

PROCEDE DE FABRICATION DE SUBSTRATS OU DE COMPOSANTS SUR SUBSTRATS FAISANT INTERVENIR UN TRANSFERT DE COUCHE UTILE, A DES FINS D'APPLICATION EN MICROELECTRONIQUE, OPTOELECTRONIQUE, OU OPTIQUE

Publication

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Application

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Priority

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Abstract (en)

[origin: FR2852445A1] Transferring a working layer (14, 16) of monocrystalline material from one support to another comprises: (i) forming a substrate comprising a detachable interface (12) between the working layer and a first support (10), with a ring (161) of material surrounding the interface; (ii) removing the ring to allow a detachment tool to access the interface; (iii) bonding the free surface of the working layer to a second support; and (iv) detaching the working layer at the interface. Independent claims are also included for: (1) a substrate as above in which the support has a peripheral zone that takes the ring of material with it when removed; (2) a substrate as above with a series of channels between the free surface of the working layer and the interface.

IPC 1-7

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