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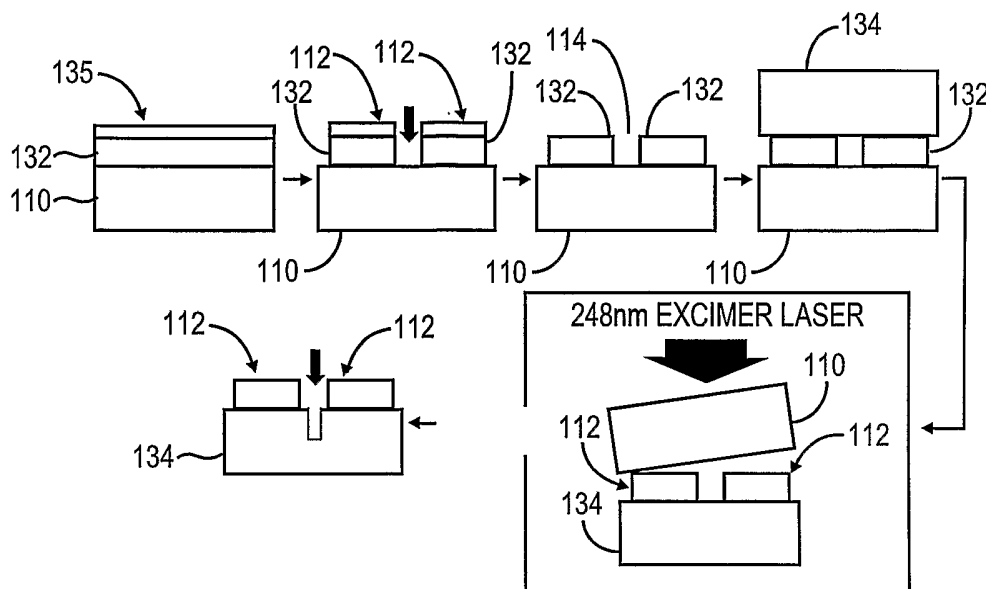
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(54) Title: METHOD OF SEPARATING LAYERS OF MATERIAL USING A LASER BEAM



(57) Abstract: A lift off process is used to separate a layer of material from a substrate (110) by irradiating an interface between the layer of material and the substrate (110). According to one exemplary process, the layer is separated into a plurality of sections (112) corresponding to dies on the substrate (110) and a homogeneous beam spot is shaped to cover an integer number of the sections (112).



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INTERNATIONAL SEARCH REPORT

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PCT/US05/10412

A. CLASSIFICATION OF SUBJECT MATTER

IPC: H01L 29/22(2006.01),33/00(2006.01),21/30(2006.01),21/46(2006.01)

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According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 438/463,464, 458

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

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| Y | US 6,300,594 B1 (KINOSHITA et al.) (10.09.2001), column 11, lines 44-47. | 3,47 |
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