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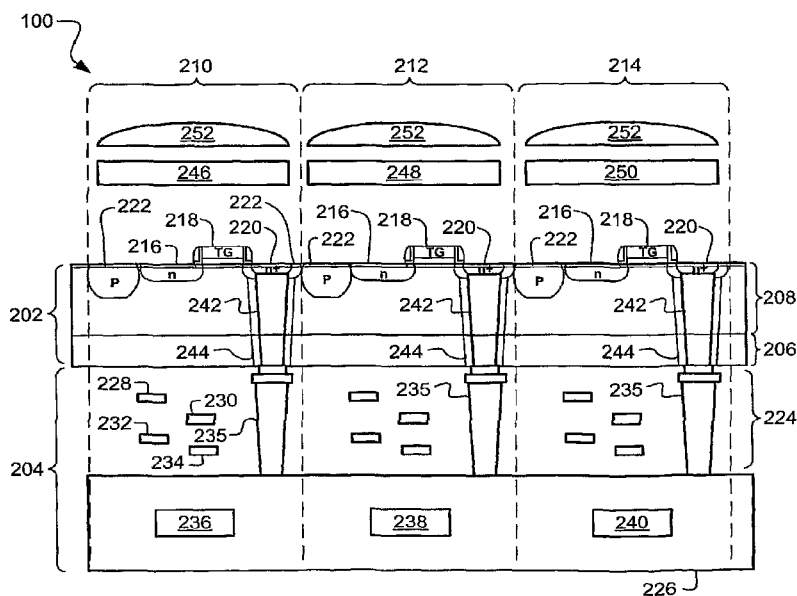
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(54) Title: ACTIVE PIXEL SENSOR HAVING TWO WAFERS



(57) Abstract: A vertically-integrated active pixel sensor includes a sensor wafer connected to a support circuit wafer. Inter-wafer connectors or connector wires transfer signals between the sensor wafer and the support circuit wafer. The active pixel sensor can be fabricated by attaching the sensor wafer to a handle wafer using a removable interface layer. Once the sensor wafer is attached to the handle wafer, the sensor wafer is backside thinned to a given thickness. The support circuit wafer is then attached to the sensor wafer and the handle wafer separated from the sensor wafer.

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER

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B. FIELDS SEARCHED

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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 practical search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category ¹	Citation of document with indication where appropriate of the relevant passages	Relevant to claim No
X	EP 1 453 097 A (KOYANAGI MITSUMASA [JP] ZYCUBE CO LTD [JP]) 1 September 2004 (2004-09-01)	1-6, 8, 9, 11, 12
Y	paragraph [0071] - paragraph [0104] paragraph [0138] figures 1, 9-13	7, 10, 13-17, 19
X	JP 2001 339057 A (KOYANAGI MITSUMASA; FUJI XEROX CO LTD) 7 December 2001 (2001-12-07)	1-6, 8, 9, 11, 12
Y	abstract figure 6	7, 10, 13-17, 19



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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

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