

ABSTRACT

SENSOR CHIP AND PHOTOELECTRIC CONVERSION
APPARATUS USING THE SAME

A sensor chip includes output signal lines for outputting signals outside the sensor chip from light-receiving elements of the sensor chip, a switch for connecting/disconnecting the output signal lines, and a controller for closing the switch only for a duration including a time interval in which signals are output outside the sensor chip from the light-receiving elements, and opening the switch for a duration except for the duration. A multichip photoelectric conversion apparatus in which a plurality of sensor chips each having a plurality of light-receiving elements are arranged, includes output signal lines, connected to a common signal line, for outputting signals outside the sensor chip from light-receiving elements of the sensor chip, a switch, provided for each of the sensor chips, for connecting/disconnecting the output signal lines, and a controller, provided in each of the sensor chips, for closing the switch only for a duration including a time interval in which signals are output outside the sensor chip from the light-receiving elements, and opening the switch for a duration except for the duration.

FIGURE 2