

PROJECTION DISPLAY APPARATUS

ABSTRACT OF THE DISCLOSURE

A projection display apparatus is provided which offers improved contrast while smoothly controlling the amount of light, with a simple structure and without deterioration of lifetime due to the heat of the light from a light source. This projection display apparatus includes a light valve (3), a light source (5a) for emitting light to the light valve (3), an integrator lens disposed on the optical path of the light propagating from the light source (5a) to the light valve (3), for making uniform the illuminance distribution of the light from the light source (5a), and a shutter mechanism (17a) disposed on the light path, for controlling the amount of light that illuminates the light valve (3). The shutter mechanism (17a) has a pair of light-blocking members (17L) and (17R) having cuts (17g) formed in their respective protruding sides to regulate the passage of light, and the pair of light-blocking members (17L) and (17R) are moved straight to protrude/retract on the optical path, perpendicularly to the optical path from both sides of the optical path, perpendicularly to the optical path from both sides of the optical path, so as to control the amount of light according to the extent of their protrusion on the optical path.

Figure 3