

PATENT SPECIFICATION

1,098,335

DRAWINGS ATTACHED.

Date of Application and filing Complete Specification:
Aug. 18, 1966. No. 36987/66.

Application made in Germany (No. R31775/42h Gbm) on
Nov. 23, 1965.

Complete Specification Published: Jan. 10, 1968.

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Index at Acceptance:—G2 J(41L1, 41X).

Int. CL.:—G 03 b 21/14.

COMPLETE SPECIFICATION.

Projector having Electrical Actuating Switches.

We, FRANKE & HEIDECHE G.m.b.H., a German body corporate, trading as Rollei-Werke Franke & Heidecke, of 196 Salzdahlumerstrasse, Braunschweig, Germany, do hereby declare the invention, for which we pray that a patent may be granted to us, and the method by which it is to be performed, to be particularly described in and by the following statement:—

This invention relates to an improvement in a projector, more particularly a slide projector, having electrical actuating switches, especially for slide changing and for focusing drive means.

Generally speaking, keys or key switches for the different functions of a slide projector, for example, changing the slides, focusing and switching on the lamp, are assembled on a keyboard and are arranged at a readily accessible position on the projector housing. In addition, the connections of these switches, or at least of the switches which are used for remote operation of the projector, are led to a plug which serves for the connection of a remote operation cable leading to a remote manual switch, or to which also if necessary a tape recorder or a pulse emitter can be connected.

According to the present invention there is provided a projector having a remote control manual switch permanently connected to the projector by a cable for electrically initiating the functions of the projector, wherein a holder device for said manual switch is provided on the projector housing, said housing being formed with a recess through which actuating keys on the manual switch are accessible.

On changing over to remote control of the projector, the manual switch only has to be removed from its holder device and the cable pulled out. By this arrangement ac-

ording to the improvement, not only is it unnecessary to have the fixed keyboard, but the arrangement also prevents having to carry the remote control cable separately, which may in certain circumstances be forgotten.

A preferred embodiment of the arrangement according to the invention is shown in the accompanying drawing by reference to a still projector. In the drawing:

Figure 1 is a fragmentary perspective view of the projector housing showing the holder device for the manual control switch; and

Figure 2 is a similar view with the manual control switch fitted to the projector.

A manual switch 1 is connected by means of the cable 2 of suitable length to the projector, usually by means of a plug. This manual switch 1 has for example two actuating keys 3 and 4, one of which effects the slide-changing operation and the other the focusing. For both keys, contacts can be provided, so that two functions "forward and rearward slide change" and "forward and rearward movement of the objective adjustment means" can be controlled with each key. Other keys can also be provided.

Arranged in the projector housing 5 is a spring stirrup or clip 6 and a lug 7 between which the manual switch 1 can be clamped. The lug 7 may be formed with a detent hole or projection engageable by a complementary part of the switch housing. The projector cover is formed in one side edge with a recess 8 through which the keys 3, 4 are exposed when the switch housing is fitted, so that said keys are accessible in the same way as with a fixedly arranged keyboard.

WHAT WE CLAIM IS:—

1. A projector having a remote control manual switch permanently connected to

[Price 4s. 6d.]

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- the projector by a cable for electrically initiating the functions of the projector, wherein a holder device for said manual switch is provided on the projector housing, said housing being formed with a recess through which actuating keys on the manual switch are accessible.
- 5 2. A projector according to claim 1, wherein the holder device consists of one or more spring clips and a detent lug.
- 10

3. A projector substantially as described with reference to and as illustrated in the accompanying drawing.

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