

ABSTRACT

MOVABLE SHUTTER FOR A WATCH

5 The movable shutter (2) device provided on a
timepiece (1) comprises stretchers (3) in the form of
oblong handles which are screwed onto a middle part
(4) of generally rectangular shape with flanks (41).
Stretchers (3) comprise a groove (33) which is com-
posed of a rectilinear portion (34) followed on either
10 side by a rounded portion (35), the latter giving on a
groove (63) which is formed by the surfaces (61, 62)
of a protective plate (6) connected to the back cover
and by a flat portion (52) of said back cover (5).
The closed circuits formed by the grooves (33, 63)
15 surround the middle part (4). The movable curtain
formed by shutter axles (21) which are interconnected
on both sides by two rows of connecting links (25) is
slidable in said grooves (33, 63) by means of rollers
(24) made of rubies. In order to ensure that any in-
20 termediate position of the curtain between the two end
positions is maintained, i.e. the completely open and
the completely closed position, which are limited by a
stop device (9), a brake device (7) is provided which
is accommodated in a hollow shutter axle (72), prefer-
25 ably near the first shutter axle having an actuating
button (27), said brake device comprising an elastic
member (73) transmitting a thrust to the ruby rollers
(24 A) through brake axles (71). The protective plate
(6) may take the form of a grid or be perforated, in
30 such a manner as to make particular effects produced
by the passage of the movable shutter apparent.

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Figure to accompany Abstract: Figure 1

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