

A Latch

Abstract

- 5 A latch (10) including a casing (12) adapted to be fixedly mounted in a door, a carriage (20) mounted in the casing (12) and adapted for slidable movement relative to the casing (12) between an actuated position and a return position, a first spring (34) biasing the carriage (20) to the return position and a lock bolt (42) mounted to the carriage (20) and adapted to protrude from the casing(12) when the carriage (20) is in the return position.
- 10 The latch (10) also includes a master cam (60) and a slave cam (80) each pivotally mounted to the casing (12) such that the master cam (60) directly acts upon the slave cam (80) whereby the pivoting actuation of the master cam (60) drives pivoting actuation of the slave cam (80) which in turn actuates sliding movement of the carriage (20) from the return position to the actuated position. Pivoting actuation of the master cam (60) through
- 15 at most 35° is sufficient to move the carriage (20) to the actuated position.

(Fig. 1)