

Title (en)
Lock control using a push button.

Title (de)
Schlossbedienung mit Druckknopf.

Title (fr)
Commande de serrure par bouton-poussoir.

Publication
EP 0085586 A1 19830810 (FR)

Application
EP 83400034 A 19830106

Priority
FR 8201065 A 19820125

Abstract (en)
1. A lock control comprising, in a cylindrical fixed body (1), a push-button (6) controlling the axial displacement of a radial blade (22) actuating an opening element (24), a lock barrel (18) which turns in the push-button (6) while being axially connected thereto and which carries the blade (22) and causes it to pivot between a locking position in which it is spaced away from the opening element (24) and an unlocking position in which it is in facing relation to said element, and means for driving the push-button (6) in translation in the body (1) when the barrel (18) is rotated, characterised in that it comprises a tubular end member (26) which is fixed to the end of the barrel (18) carrying the blade (22) and has a lateral wall which is partly notched and constitutes a helical ramp (28) leading to the end edge (30) of the end member remote from the blade, and, provided on the fixed body (1), a portion of a cylinder (36) which projects and has a contour complementary to that of the notch of the end member and forms a helical ramp (38) cooperable with that of the barrel for the purpose of axially displacing the push-button (6) in the fixed body (1) when the barrel is rotated.

Abstract (fr)
Le bouton-poussoir (6) est solidaire axialement d'un barillet de serrure qui porte une palette radiale (22) de commande de la serrure, et il coulisse dans un corps de fixation (1). Le barillet porte également un embout tubulaire (26) dont la paroi est échancrée et forme une rampe hélicoïdale (28) susceptible de coopérer avec une rampe complémentaire (38) d'une saillie (36) du corps fixe et de provoquer ainsi le déplacement axial du bouton-poussoir lors de la rotation du barillet. Les faces extrêmes (30, 40) des deux rampes viennent en butée en position verrouillée de la commande.

IPC 1-7
E05B 1/00; **E05B 13/10**

IPC 8 full level
E05B 1/00 (2006.01)

CPC (source: EP)
E05B 1/0038 (2013.01)

Citation (search report)
• [A] FR 2451985 A1 19801017 - PEUGEOT
• [A] FR 2413521 A1 19790727 - RENAULT [FR]

Cited by
EP2107186A1; US2018073271A1; US11066848B2; US9279273B2; US8561441B2; WO2009123558A1

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