

Title (en)
Optoelectronic lock with optical guides

Title (de)
Optoelektronisches Schloss mit optischen Wellenleitern

Title (fr)
Serrure optoélectronique avec guides optiques

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EP 0816601 A2 19980107 (EN)

Application
EP 97670003 A 19970606

Priority
PT 10189096 A 19960703

Abstract (en)
The present invention is an optoelectronic lock using optical guides. It is designed to prevent access to areas, vehicles and machines. It basically consists of a lock cylinder (24), normally located in the object to be protected, an optoelectronic module (12), one or more optical guide collectors (9), a set of optical guides (8) assembled in a cable (11), a source of electromagnetic radiation (6) and one or more keys (25). The lock cylinder (24) incorporates a lock-identifier (1) with N2 cross keyholes (7), each of which contains the tip of an optical guide (8). The key (25) is fitted with a key-identifier (2), the shape and dimensions of which are perfectly adapted to those of the lock-identifier (1), and which have a longitudinal keyhole (4) from which a number of radial keyholes (3) branch off; the latter are positioned in such a way as to coincide with some of the cross keyholes (7). The longitudinal keyhole (4) contains the optical guide (82) which branches off through the radial keyholes (3) to form the optical guides (83). <IMAGE>

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Cited by
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