

Title (en)
Electronic lock and key system for hotels and the like.

Title (de)
Elektronisches Schloss für Hotels und dergleichen.

Title (fr)
Serrure électronique pour hôtels et similaires.

Publication
EP 0152678 A2 19850828 (EN)

Application
EP 84307464 A 19841030

Priority
US 57964884 A 19840213

Abstract (en)
An electronic key and lock system is provided which is particularly suited for use in hotels and motels to control access to the rooms of the establishment. The system includes a battery energized microcomputer controlled unit in each door which is capable of activating an electromechanical deadbolt mechanism when a magnetically encoded card bearing a selected code is inserted into a slot in that particular door, and which includes a non-contact proximity magnetic sensor for the cards. The microcomputer controlled unit has five levels of response, namely, guests, maid, master, grand master and emergency. The microcomputer is programmed to respond to cards bearing a new code when a new guest inserts his card into the slot in the door, and of adjusting the unit to respond to the new code and to reject the previous card. The microcomputer is capable not only of reading a magnetically encoded card inserted into the corresponding slot and of releasing the deadbolt mechanism of the door when the card bears the proper code, but it is also capable of recording the time and identity of all hotel personnel gaining access to the room, and of responding to a particular guest card only for a particular time period, corresponding to the duration of the guest's intended occupancy of the room.

IPC 1-7
E05B 49/02; **G07C 9/00**

IPC 8 full level
E05B 49/00 (2006.01); **E05B 49/02** (2006.01); **G06Q 50/00** (2006.01); **G07C 9/00** (2006.01)

CPC (source: EP US)
G07C 9/00571 (2013.01 - EP); **G07C 9/00722** (2013.01 - EP); **G07C 9/00904** (2013.01 - EP); **G07C 9/21** (2020.01 - EP US);
G07C 9/27 (2020.01 - EP)

Cited by
EP0802291A1; GB2305211A; GB2305211B; GB2251266A; GB2251266B; EP0393660A1; US5124920A; US5010751A; EP2573940A1; US10038872B2; US10424822B2; US6809628B1; US9704313B2; EP3096268A1; WO2006021047A1; WO0208551A1; US10523903B2; US11523088B2; US9894261B2; US10362273B2; US10863143B2

Designated contracting state (EPC)
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EP 0152678 A2 19850828; **EP 0152678 A3 19880316**; CA 1236200 A 19880503; JP H07122362 B2 19951225; JP S60195280 A 19851003

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EP 84307464 A 19841030; CA 474063 A 19850212; JP 2367885 A 19850212