

Title (en)
Key switch

Title (de)
Schlüsselschalter

Title (fr)
Interrupteur à clé

Publication
EP 2113887 B1 20130102 (DE)

Application
EP 08008284 A 20080430

Priority
EP 08008284 A 20080430

Abstract (en)
[origin: EP2113887A1] The switch has an excitation device (6) generating an alternating magnetic field (B). The switch is constructed such that a coding (9) e.g. binary coding, in a carrier element (8) of a key (7) is scanned by the alternating magnetic field. The coding causes inductance of the excitation device to be changed, and is serially read by the switch using the excitation device during an insertion operation of the key. The excitation device is wound around a coil (4) i.e. planar coil, as a horseshoe shaped yoke (3). The coding is made of electrically conductive and/or magnetizable material. An independent claim is also included for a key including a carrier element.

IPC 8 full level
G07C 9/00 (2006.01)

CPC (source: EP US)
G07C 9/00182 (2013.01 - EP US); **G07C 2009/00777** (2013.01 - EP US)

Cited by
CN107646063A; CN106869600A

Designated contracting state (EPC)
DE

DOCDB simple family (publication)
EP 2113887 A1 20091104; EP 2113887 B1 20130102; JP 2009270430 A 20091119; JP 5111428 B2 20130109; US 2009273437 A1 20091105

DOCDB simple family (application)
EP 08008284 A 20080430; JP 2009104035 A 20090422; US 43231709 A 20090429