

Title (en)
LOCK CYLINDER AND LOCKSET

Title (de)
SCHLIESSZYLINDER UND SCHLOSS

Title (fr)
CYLINDRE DE VERROU ET VERROUILLAGE

Publication
EP 3587710 A1 20200101 (EN)

Application
EP 18202309 A 20181024

Priority
CN 201810719271 A 20180630

Abstract (en)
The description discloses a new type of lock cylinder and lockset, including: connection member, and there is fixing sleeve for extending on the connection member; a lock cylinder mechanism, including a lock cam set in the back of the fixing sleeve. The unlocking cam has a slip connection with the fixing sleeve. There is an axle sleeve in the said unlocking cam, and there is a connection shaft in the said unlocking cam. The front end of the said connection shaft goes across the fixing sleeve, and the back end of the connection shaft has limit through-holes. There is an elastic part in the said limit through-holes, and there are balls on both end of the elastic part, and there is a stop collar in the limit through-hole corresponding to the said connection shaft. The lock set has a number of characteristics, such as simple structure, easy fabrication and strong rigidity. At the same time, the new type of lock cylinder provided by the utility model is easy to manufacture, convenient to assemble, and it is stable in structure and durable in use.

IPC 8 full level
E05B 9/04 (2006.01); **E05B 17/20** (2006.01)

CPC (source: CN EP)
E05B 9/042 (2013.01 - EP); **E05B 15/004** (2013.01 - CN); **E05B 17/2092** (2013.01 - EP); **E05B 27/0071** (2013.01 - CN)

Citation (applicant)
CN 201610199496 A 20160403

Citation (search report)
• [A] CN 205502753 U 20160824 - XU JUXIANG
• [A] CN 102606004 A 20120725 - JUXIANG XU
• [A] GB 2556336 A 20180530 - UAP LTD [GB]

Cited by
EP3929379A1; FR3111934A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 3587710 A1 20200101; **EP 3587710 B1 20210106**; CN 108824978 A 20181116

DOCDB simple family (application)
EP 18202309 A 20181024; CN 201810719271 A 20180630