Title (en)
  Locking hinge

Title (de)
  Verriegelungsscharnier

Title (fr)
  Blocage de charnière

Publication
  EP 2385203 A1 20111109 (EN)

Application
  EP 11005229 A 20110328

Priority
  • EP 11002532 A 20110328
  • IT ME20100009 A 20100504

Abstract (en)
  A hinge is described, adapted to allow locking mobile frameworks and to operate as blind-stopper, window-stopper, opening restrictor, anti-theft device, door-stopper; the hinge is composed of a male hinge component (1, 1', 1'', 1''', 1'''') and a female hinge component (2, 2', 2'', 2''', 2'''') adapted to be operatively coupled with the male hinge component (1, 1', 1'', 1''', 1''''), that is equipped with a pin (6, 6', 6'', 6''', 90) that is partially shaped and partially smooth, while the female hinge component (2, 2', 2'', 2''', 2'''') is equipped with a bush (1, 7', 7'', 7''', 70) shaped in order to allow, through the coupling with the shaped pin (6, 6', 6'', 6''', 90), an on-off latch movement of the hinge with consequent locking of the mobile framework in a plurality of positions in a range of rotation from 0° to 180° of the mobile framework around the hinge.

IPC 8 full level
  E05D 11/10 (2006.01); **E05D 7/00** (2006.01)

CPC (source: EP)
  E05D 11/1007 (2013.01); **E05D 11/1014** (2013.01); E05D 5/0238 (2013.01); E05D 5/10 (2013.01); E05D 11/06 (2013.01);
  E05D 11/1078 (2013.01); E05D 2005/106 (2013.01); E05Y 2600/10 (2013.01); E05Y 2900/132 (2013.01); E05Y 2900/148 (2013.01)

Citation (applicant)
  US 4506408 A 19850326 - BROWN DWIGHT C [US]

Citation (search report)
  • [A] DE 468660 C 19281117 - KARL WEIER
  • [A] CH 151236 A 19311215 - ACHERMANN JOSEF [CH]
  • [A] DE 508865 C 19301020 - ALBERT BRUGGER, et al
  • [A] DE 19858709 A1 20000629 - KERMI GMBH [DE]

Cited by
  CN110924776A

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 2385202 A1 20111109; EP 2385203 A1 20111109; EP 2385203 B1 20130828; IT 1399740 B1 20130503; IT ME20100009 A1 20111105

DOCDB simple family (application)
  EP 11002532 A 20110328; EP 11005229 A 20110328; IT ME20100009 A 20100504