

Title (en)

FALLING AND DEATH LEAP DEFENSE ROTATING CYLINDER SYSTEM

Title (de)

ROTIERENDES ZYLINDERSYSTEM ZUR FALL- UND TODESSTURZABWEHR

Title (fr)

SYSTÈME DE CYLINDRE ROTATIF DE PROTECTION CONTRE LES CHUTES ET SAUTS MORTELS

Publication

**EP 3434849 A1 20190130 (EN)**

Application

**EP 18185153 A 20180724**

Priority

KR 20170094620 A 20170726

Abstract (en)

The present invention relates to a falling and death leap defense rotating cylinder system (100), including a supporter (110); a rotator (120) that is rotatably installed in the supporter, and that inhibits a death leap of a death leap attempter by rotating when grasped by the death leap attempter; and a thorn unit (160) that forms a cutting edge, and that is detachably installed in any one or more of the supporter and the rotator. Accordingly, a falling and death leap of a death leap attempter may be inhibited more effectively.

IPC 8 full level

**E04H 17/00** (2006.01)

CPC (source: EP KR US)

**E01D 19/103** (2013.01 - KR US); **E04F 11/1836** (2013.01 - US); **E04F 11/1861** (2013.01 - KR); **E04H 17/004** (2021.01 - EP KR US); **E04F 11/18** (2013.01 - EP US); **E04F 2011/1876** (2013.01 - US)

Citation (applicant)

KR 101631813 B1 20160624 - KIM KWANG SEOK [KR]

Citation (search report)

- [XY] GB 2502042 A 20131120 - WAITE DAVID PETER [GB]
- [XY] US 2005189529 A1 20050901 - HUMPHREYS JOHN C [MZ], et al
- [Y] WO 2017094999 A1 20170608 - KIM GWANG SEUK [KR]

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 3434849 A1 20190130; EP 3434849 B1 20200923**; AU 2018206838 A1 20190214; AU 2018206838 B2 20190718; CA 3012367 A1 20190126; CA 3012367 C 20210126; JP 2019027275 A 20190221; JP 6836555 B2 20210303; KR 101891772 B1 20180824; SG 10201806240V A 20190227; US 2019032290 A1 20190131; US 2022195677 A1 20220623

DOCDB simple family (application)

**EP 18185153 A 20180724**; AU 2018206838 A 20180720; CA 3012367 A 20180724; JP 2018139000 A 20180725; KR 20170094620 A 20170726; SG 10201806240V A 20180720; US 201816043095 A 20180723; US 202217693398 A 20220313