

Title (en)

COMPACT SPRING UNIT AND LATCH DEVICE FOR A HINGE SYSTEM

Title (de)

KOMPAKTE FEDEREINHEIT UND VERRIEGELUNGSVORRICHTUNG FÜR EIN SCHARNIERSYSTEM

Title (fr)

UNITÉ DE RESSORT COMPACTE ET DISPOSITIF DE VERROUILLAGE POUR UN SYSTÈME DE CHARNIÈRE

Publication

**EP 4361391 A1 20240501 (EN)**

Application

**EP 23204561 A 20231019**

Priority

NO 20221123 A 20221019

Abstract (en)

The invention relates to a compact spring unit for providing a spring force to a latch device, also referred to as a safety catch. The invention may be used for, but is not limited to doors or windows. The safety catch is a part of an extendable hinge system. The invention further relates to a method of easily and effectively assembling the latch device.

IPC 8 full level

**E05D 11/10** (2006.01); **E05C 17/34** (2006.01); **E05D 15/30** (2006.01); **E05D 15/44** (2006.01)

CPC (source: DK EP NO)

**E05C 17/34** (2013.01 - EP); **E05D 11/1007** (2013.01 - EP NO); **E05D 13/1246** (2013.01 - DK); **E05D 15/30** (2013.01 - EP); **E05D 15/44** (2013.01 - EP); **E05D 15/463** (2013.01 - NO); **E05D 15/466** (2013.01 - NO); **E05Y 2201/418** (2013.01 - EP); **E05Y 2201/474** (2013.01 - EP); **E05Y 2900/148** (2013.01 - EP)

Citation (applicant)

WO 03021066 A1 20030313 - SPILKA IND AS [NO], et al

Citation (search report)

- [XA] US 8186102 B1 20120529 - LAWRENCE BARRY G [US]
- [XA] GB 2366323 A 20020306 - DGS HARDWARE LTD [GB]
- [XAI] WO 2019093421 A1 20190516 - TOK INC [JP]
- [XA] WO 9905379 A1 19990204 - GEZE GMBH & CO [DE], et al

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 ME MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

**EP 4361391 A1 20240501**; DK 202330273 A1 20240613; NO 20221123 A1 20240129; NO 347621 B1 20240129

DOCDB simple family (application)

**EP 23204561 A 20231019**; DK PA202330273 A 20231019; NO 20221123 A 20221019