

Title (en)

Head mounting for ladders and collapsible loft stairs.

Title (de)

Kopfbeslag für Leitern und einschiebbare Bodentreppen.

Title (fr)

Ferrure de tête articulée pour échelles et escaliers de grenier escamotables.

Publication

EP 0038428 A2 19811028 (FR)

Application

EP 81102149 A 19810321

Priority

FR 8009064 A 19800422

Abstract (en)

1. Articulated head fittings for loft ladders and stairs, comprising several sections unfolded by sliding along one another, the upper section supporting the other sections when folded, and the whole assembly disappearing through a trap-door once folded ; fittings comprising two supporting arms (1) situated on each side of the stair or ladder upper section, each arm (1) being mounted pivoting around a pin situated close the trap edge, the arms (1) being connected to the ladder or stair upper section by means of sliding devices (7) such as slider/slideway enabling said upper section to move in its plane according to the sliding direction of the various sections characterised by the arm (1) pivoting with regard to the trap upper edge being made by an articulation constituted by one horizontal pin (3) rotating in two fixed forks (2) and integral with a trap-edge joist, the said articulation being situated at one end of the arms (1) in one place of the joist and by the other end of the arms (1) being articulated on two sliders on which the ladder or stair section side posts travel by means of a pin connecting said sliders (7).

Abstract (fr)

Ferrure de tête articulée pour échelles et escaliers de grenier escamotables comportant deux bras porteurs (1) articulés à leurs deux extrémités; d'une part sur deux étriers fixes (2) solidaires de la solive et d'autre part, sur deux coulisseaux (7) tenant lieu de rampe de glissement à l'échelle ou à l'escalier de grenier escamotable. D'autre part, l'un des deux bras porteurs (1) tient lieu de butée libérant automatiquement le cliquet de blocage (10) pour permettre le coulissement de l'échelle ou de l'escalier de grenier escamotable. Enfin, l'un des deux bras porteurs (1) peut être équipé d'une poignée de manoeuvre pour un pliage de l'échelle depuis l'étage supérieur.

IPC 1-7

E04F 11/06

IPC 8 full level

E04F 11/06 (2006.01)

CPC (source: EP)

E04F 11/068 (2013.01)

Cited by

FR2594874A1; GB2256001A; GB2256001B; FR2537634A1; CN112127661A

Designated contracting state (EPC)

BE CH DE GB IT NL SE

DOCDB simple family (publication)

EP 0038428 A2 19811028; **EP 0038428 A3 19820407**; **EP 0038428 B1 19840808**; DE 3165335 D1 19840913; FR 2480833 A1 19811023; FR 2480833 B1 19830107

DOCDB simple family (application)

EP 81102149 A 19810321; DE 3165335 T 19810321; FR 8009064 A 19800422