

Title (en)

Device for preventing the upper access to a vertical tubular pipe.

Title (de)

Vorrichtung zum Verschliessen des oberen Zugangs eines senkrechten rohrförmigen Schachtes.

Title (fr)

Dispositif de condamnation de l'accès supérieur d'un conduit tubulaire vertical.

Publication

EP 0314565 A1 19890503 (FR)

Application

EP 88402688 A 19881025

Priority

FR 8715115 A 19871030

Abstract (en)

[origin: JPH01153167A] PURPOSE: To form a device to close a tubular duct which hinders the approaching by providing a freely tiltable flap which is pivotally moved around a vertical hinge axis fixed to one side of a lateral rod, or a ladder lateral rod as a closing member. CONSTITUTION: A panel 6 has a handle 15 under a flat surface on which a closing member 10 moves, and the longitudinal axis of a rectangular opening 13 under a closed position, is vertical to a line which connects a finger-shaped part 14a of a lever 14 and the center of a pivot 7b, and the finger-shaped part 14a is located at the outermost end of the opening 13, and respective parts 12 and 14 are rotated exceeding 90 deg. under a completely opened position, and for this reason, the same buttress effect is reproduced. Also, the lever 14 has an extending part 14b which extends by exceeding the axis 7b, and the extending part 14b constitutes a control handle, and at the same time, can cooperate with a cam surface 16 which is hinge-combined with the closing member 10 in a shaft 17. Then, the cam 16 rotate-drives the lever 14 when being turned clockwise around the shaft 17 from the top of the closing member 10, and obstructs the buttress effect between the rectangular opening 13 and the finger-shaped part 14a. Therefore, the approaching can be hindered.

Abstract (fr)

L'accès supérieur d'une échelle à crinoline (2,3) est condamné par le dispositif selon l'invention qui comporte un panneau (6) et un opercule (10) articulés autour d'axes verticaux (7b, 12) et reliés à la manière d'un compas par une ferrure (11) et un levier (14) engageant la lumière (13) de la ferrure (11).

IPC 1-7

E06C 7/18; E06C 9/02

IPC 8 full level

A62B 5/00 (2006.01); **E06C 7/00** (2006.01); **E06C 7/18** (2006.01); **E06C 9/02** (2006.01)

CPC (source: EP US)

E06C 7/006 (2013.01 - EP US); **E06C 7/185** (2013.01 - EP US); **E06C 9/02** (2013.01 - EP US)

Citation (search report)

- [X] EP 0151076 A2 19850807 - COUTIER CHARLES ETS [FR]
- [Y] US 956183 A 19100426 - SCHERRER FRANZ [DE]
- [A] US 3038555 A 19620612 - DA LEE WILLIAM W, et al
- [A] US 2535544 A 19501226 - MCKINLEY WILLIAM D
- [A] DE 55011 C

Cited by

CN114033297A; EP0402214A1; FR2647830A1; DE9001869U1; WO9002863A1; WO9015219A1; WO9501495A1

Designated contracting state (EPC)

AT BE CH DE ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)

EP 0314565 A1 19890503; EP 0314565 B1 19910814; AT E66280 T1 19910815; AU 2436088 A 19890504; DE 3864235 D1 19910919; FR 2622631 A1 19890505; FR 2622631 B1 19901130; JP H01153167 A 19890615; US 4881619 A 19891121

DOCDB simple family (application)

EP 88402688 A 19881025; AT 88402688 T 19881025; AU 2436088 A 19881026; DE 3864235 T 19881025; FR 8715115 A 19871030; JP 26961788 A 19881027; US 26187388 A 19881025