

Title (en)
Automatically closing trap door.

Title (de)
Selbsttätig schliessendes Bodentor.

Title (fr)
Trappe à fermeture automatique.

Publication
EP 0555129 A1 19930811 (FR)

Application
EP 93400231 A 19930129

Priority
FR 9201093 A 19920131

Abstract (en)
The horizontal trap door, which is opened manually and closes automatically, comprises a panel (1) articulated about a horizontal axis (4) and capable of opening above the horizontal plane containing this axis (4); it comprises a hydraulic device (7) forming a brake on the shutting of the trap door, and a stop element (18, 19) limiting the angle of opening of the trap door to a value of less than 90 DEG so that the panel (1) is permanently subjected, under the effect of gravity, to a closing moment.

Abstract (fr)
La trappe horizontale à ouverture manuelle et fermeture automatique, comporte un panneau (1) articulé autour d'un axe (4) horizontal et pouvant débattre au-dessus du plan horizontal contenant cet axe (4) ; elle comprend un dispositif hydraulique (7) formant frein au rabattement de la trappe et une butée (18,19) limitant l'angle d'ouverture de la trappe à une valeur inférieure à 90 ° de sorte que le panneau (1) soit en permanence soumis, sous l'effet de la pesanteur, à un couple de fermeture. <IMAGE>

IPC 1-7
E05C 17/20; **E05F 5/08**; **E05F 5/10**; **E06B 5/01**

IPC 8 full level
E05C 17/20 (2006.01); **E05F 5/00** (2006.01); **E05F 5/10** (2006.01); **E06B 5/01** (2006.01)

CPC (source: EP)
E05C 17/20 (2013.01); **E05F 5/00** (2013.01); **E05F 5/10** (2013.01); **E06B 5/01** (2013.01); **E05Y 2201/21** (2013.01); **E05Y 2201/256** (2013.01); **E05Y 2201/264** (2013.01); **E05Y 2900/132** (2013.01); **E05Y 2999/00** (2024.05)

Citation (search report)

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- [A] CH 660399 A5 19870415 - STIERLI MASCHINEN UND METALLBA
- [A] US 2204330 A 19400611 - TRAVIS PAUL H

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Designated contracting state (EPC)
BE CH DE ES GB LI NL

DOCDB simple family (publication)
EP 0555129 A1 19930811; **EP 0555129 B1 19960925**; DE 69304940 D1 19961031; DE 69304940 T2 19970507; ES 2094489 T3 19970116; FR 2686933 A1 19930806; FR 2686933 B1 19950811

DOCDB simple family (application)
EP 93400231 A 19930129; DE 69304940 T 19930129; ES 93400231 T 19930129; FR 9201093 A 19920131