

Title (en)
Hydraulically actuated severing device.

Title (de)
Hydraulisch betriebene Schälvorrichtung.

Title (fr)
Dispositif de tranchage actionné hydrauliquement.

Publication
EP 0412434 A1 19910213 (DE)

Application
EP 90114821 A 19900802

Priority
DE 3926279 A 19890809

Abstract (en)
[origin: CN1049290A] The present invention relates to a modern Chinese phonetic alphabet chess which has 44 pieces according to modern Chinese phonetic alphabets and a chessboard in the form checkerboard with six longitudinal and six transverse lines. The key playing step of the chess according to the present invention is position. The whole playing pocedure can be devided into four parts, 1, position in transvers or oblique direction, 2, capturing, which should be done according to the rule, 3, moving and 4, deciding win or losing. This chess is suitable for school pupils or elder children to liven up their life in leisure time and help them to learn knowledge.

Abstract (de)
Zur Erzeugung einer hydraulischen betriebenen Schälvorrichtung zum Einbringen von Mannlöchern in verunglückte Land-, Wasser- oder Luftfahrzeuge wird an einem Zylindergehäuse eine Klemmbacke (4) befestigt und die axial verschiebbare Schälbacke (5) von einer Kolbenstange (7) beaufschlagt.

IPC 1-7
A62B 3/00

IPC 8 full level
A62B 3/00 (2006.01); **A62B 37/00** (2006.01); **A62B 99/00** (2009.01); **B23B 45/00** (2006.01); **B23D 9/00** (2006.01); **B23D 31/00** (2006.01); **B23P 17/00** (2006.01); **B25B 33/00** (2006.01); **B25F 1/00** (2006.01)

CPC (source: EP KR US)
A62B 3/005 (2013.01 - EP US); **A62B 99/00** (2013.01 - KR); **Y10S 72/705** (2013.01 - EP US)

Citation (search report)

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- [Y] US 4333330 A 19820608 - PORTER THOMAS M
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- [A] FR 1578862 A 19690822

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Designated contracting state (EPC)
FR GB IT NL

DOCDB simple family (publication)
EP 0412434 A1 19910213; **EP 0412434 B1 19930303**; CN 1025005 C 19940615; CN 1049290 A 19910220; DE 3926279 A1 19910214; DE 3926279 C2 19970710; JP 3094301 B2 20001003; JP H0379217 A 19910404; KR 0122002 B1 19971204; KR 910004223 A 19910328; PL 164163 B1 19940630; PL 286187 A1 19910325; RU 1807918 C 19930407; US 5060502 A 19911029

DOCDB simple family (application)
EP 90114821 A 19900802; CN 90104957 A 19900723; DE 3926279 A 19890809; JP 18441690 A 19900713; KR 900012108 A 19900807; PL 28618790 A 19900723; SU 4830715 A 19900808; US 56119090 A 19900801