

Title (en)
SAFETY ARRANGEMENTS FOR POWER MACHINERY

Title (de)
SICHERHEITSVORRICHTUNGEN FÜR MASCHINEN

Title (fr)
DISPOSITIFS DE SECURITE POUR MACHINE MOTORISEES

Publication
EP 1430251 A1 20040623 (EN)

Application
EP 02776617 A 20020923

Priority

- EP 02776617 A 20020923
- BE 0200147 W 20020923
- EP 01870204 A 20010927

Abstract (en)
[origin: WO03027565A1] A safety arrangement is disclosed for power machinery such as a folding machine (10) for sheet metal or plate (40). An operator is charged to a potential above that of the folding machine (10) through a foot pedal (20) and his potential is monitored by means of a control device (20a). If there is a drop in operator potential, machine cycles cannot be started and any cycle under way is halted or reversed. Safety gloves (28) are provided which are made of an electrically conductive material (28a) and onto which is integrated an insulating layer 28c over the palm (30a). The insulating layer (28c) allows handling of metal work pieces (40) without electrical contact being made with the folding machine (10). Meanwhile, the exposed nature of the conductive layer (28a) on the backhand (30c) ensures that the operator is protected from injury from machine parts (12, 14, 18) approaching the gloved hand (30) from the side not being used for work.

IPC 1-7
F16P 3/12

IPC 8 full level
F16P 3/12 (2006.01)

CPC (source: EP US)
F16P 3/12 (2013.01 - EP US)

Citation (search report)
See references of WO 03027565A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SK TR

DOCDB simple family (publication)
WO 03027565 A1 20030403; EP 1430251 A1 20040623; US 2004244091 A1 20041209

DOCDB simple family (application)
BE 0200147 W 20020923; EP 02776617 A 20020923; US 49099004 A 20040326