SECTION F — MECHANICAL ENGINEERING; LIGHTING; HEATING; WEAPONS; BLASTING

F16 ENGINEERING ELEMENTS OR UNITS; GENERAL MEASURES FOR PRODUCING AND MAINTAINING EFFECTIVE FUNCTIONING OF MACHINES OR INSTALLATIONS; THERMAL INSULATION IN GENERAL

F16P SAFETY DEVICES IN GENERAL

Note(s) [7]

Attention is drawn to the following places:

A01D 75/18, A01D 75/20.....Harvesters or mowers
A01F 21/00.....Threshing machines or baling presses
B02C 23/04.....Crushing or disintegrating machines
B21B 33/00.....Rolling of metal
B21D 55/00.....Working sheet metal or tubes, rods or profiles without essentially removing material
B23B 25/04.....Turning-machines
B23Q 11/00.....Machine tools
B24B 55/00.....Grinding or polishing machines
B25D 17/10.....Portable power-driven percussive tools
B25J 19/06.....Manipulators
B26D 7/22.....Cutting machines
B27G 19/00.....Wood saws
B65B 57/00.....Packaging machines or apparatus
B65G 43/00.....Conveyors
B65H 26/00.....Web-advancing mechanisms
B65H 63/00.....Handling or winding of thin or filamentary material
D01G 31/00.....Treatment of fibres
D01H 13/14.....Spinning or twisting
D05B 83/00.....Sewing machines
F21V 25/00.....Lighting devices.

Devices protecting or preventing injuries to people

1/00 Safety devices independent of the control or operation of any machine (protective devices for the eyes or ears, worn on the body or carried in the hand, A61F 9/00, A61F 11/00) **[1, 2006.01]**

1/02 • Fixed screens or hoods **[1, 2006.01]**

1/04 • Screens or hoods rotating with rotary shafts **[1, 2006.01]**

1/06 • specially designed for welding **[1, 2006.01]**

3/00 Safety devices acting in conjunction with the control or operation of a machine; Control arrangements requiring the simultaneous use of two or more parts of the body (F16P 5/00 takes precedence) **[1, 2006.01]**

3/02 • Screens or other safety members moving in synchronism with members which move to and fro **[1, 2006.01]**

3/04 • • for machines with parts which approach one another during operation, e.g. for stamping presses **[1, 2006.01]**

3/06 • • • in which body parts of the operator are removed from the danger zone on approach of the machine parts **[1, 2006.01]**

3/08 • in connection with the locking of doors, covers, guards, or like members giving access to moving machine parts **[1, 2006.01]**

3/10 • • in which the operation of locking the door or other member causes the machine to start **[1, 2006.01]**

3/12 • with means, e.g. feelers, which in case of the presence of a body part of a person in or near the danger zone influence the control or operation of the machine (F16P 3/08 takes precedence) **[1, 2006.01]**

3/14 • • the means being photocells or other devices sensitive without mechanical contact **[1, 2006.01]**

3/16 • • with feeling members moved by the machine **[1, 2006.01]**

3/18 • Control arrangements requiring the use of both hands **[1, 2006.01]**

3/20 • • for electric control systems **[1, 2006.01]**

3/22 • • for hydraulic or pneumatic control systems **[1, 2006.01]**

3/24 • • for mechanical controls **[1, 2006.01]**

5/00 Emergency means for rendering ineffective a coupling conveying reciprocating movement if the motion of the driven part is prematurely resisted [1, 2006.01]

7/00 **Emergency devices preventing damage to a machine or apparatus** (F16P 1/00, F16P 3/00, F16P 5/00 take precedence; indicating means, see the appropriate classes) **[1, 2006.01]**

7/02 • by causing the machine to stop on the occurrence of dangerous conditions therein (devices in bearings affected by abnormal conditions F16C) **[1, 2006.01]**