

## 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]

F16P

- 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]