

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

### F03 MACHINES OR ENGINES FOR LIQUIDS; WIND, SPRING, OR WEIGHT MOTORS; PRODUCING MECHANICAL POWER OR A REACTIVE PROPULSIVE THRUST, NOT OTHERWISE PROVIDED FOR

#### F03D WIND MOTORS

##### Note(s)

1. This subclass covers wind motors, i.e. mechanisms for converting the energy of wind into useful mechanical power, and the transmission of such power to its point of use.
2. This subclass does not cover electrical power generation or distribution aspects of wind-power plants, which are covered by section H, e.g. H02J or H02P.
3. In this subclass, the following terms or expressions are used with the meanings indicated:
  - "rotor" means the wind-engaging parts of the wind motor and the rotary member carrying them;
  - "rotation axis" means the axis of rotation of the rotor.

#### **1/00 Wind motors with rotation axis substantially parallel to the air flow entering the rotor** (controlling thereof F03D 7/02)

- 1/02 • having a plurality of rotors
- 1/04 • having stationary wind-guiding means, e.g. with shrouds or channels
- 1/06 • Rotors

#### **3/00 Wind motors with rotation axis substantially perpendicular to the air flow entering the rotor** (controlling thereof F03D 7/06)

- 3/02 • having a plurality of rotors
- 3/04 • having stationary wind-guiding means, e.g. with shrouds or channels
- 3/06 • Rotors

#### **5/00 Other wind motors** (controlling thereof F03D 7/00)

- 5/02 • the wind-engaging parts being attached to endless chains or the like
- 5/04 • the wind-engaging parts being attached to carriages running on tracks or the like
- 5/06 • the wind-engaging parts swinging to-and-fro and not rotating

#### **7/00 Controlling wind motors** (supplying or distributing electrical power H02J, e.g. arrangements for adjusting, eliminating or compensating reactive power in networks H02J 3/18; controlling electric generators H02P, e.g. arrangements for controlling electric generators for the purpose of obtaining a desired output H02P 9/00)

- 7/02 • the wind motors having rotation axis substantially parallel to the air flow entering the rotor
- 7/04 • • Automatic control; Regulation
- 7/06 • the wind motors having rotation axis substantially perpendicular to the air flow entering the rotor

#### **9/00 Adaptations of wind motors for special use; Combinations of wind motors with apparatus driven thereby** (arrangements in connection with vehicle propulsion units with power supply from wind B60K 16/00; pumps characterised by combination with wind motors F04B 17/02)

- 9/02 • the apparatus storing power

#### **11/00 Details, component parts, or accessories not provided for in, or of interest apart from, the other groups of this subclass**

- 11/02 • Transmission of power, e.g. using hollow exhausting blades
- 11/04 • Mounting structures