

**ECLA****EUROPEAN CLASSIFICATION****F02G**

**HOT GAS OR COMBUSTION-PRODUCT POSITIVE-DISPLACEMENT ENGINE PLANTS** (steam engine plants, special vapour plants, plants operating on either hot gas or combustion-product gases together with other fluid [F01K](#); gas-turbine plants [F02C](#); jet-propulsion plants [F02K](#)); **USE OF WASTE HEAT OF COMBUSTION ENGINES; NOT OTHERWISE PROVIDED FOR**

**Note**

Attention is drawn to the notes preceding class [F01](#).

**F02G1/00**

**Hot gas positive-displacement engine plants** (positive-displacement engine plants characterised by the working gas being generated by combustion in the plant [F02G3/00](#))

[F02G1/02](#)

- . of open-cycle type

[F02G1/04](#)

- . of closed-cycle type

[F02G1/043](#)

- . . the engine being operated by expansion and contraction of a mass of working gas which is heated and cooled in one of a plurality of constantly communicating expansible chambers, e.g. Stirling cycle type engine

[F02G1/043F](#)

- . . . [\[N: the engine being of the free piston type\] \[N9707\]](#)

[F02G1/044](#)

- . . . having at least two working members, e.g. pistons, delivering power output

[F02G1/044V](#)

- . . . . [\[N: Engine plants with combined cycles, e.g. Vuilleumier\] \[N9702\]](#)

[F02G1/045](#)

- . . . Controlling

[F02G1/047](#)

- . . . . by varying the heating or cooling

[F02G1/05](#)

- . . . . by varying the rate of flow or quantity of the working gas

[F02G1/053](#)

- . . . Component parts or details

[F02G1/053S](#)

- . . . . [\[N: Seals or sealing arrangements\] \[N9707\]](#)

[F02G1/055](#)

- . . . . Heaters or coolers

[F02G1/057](#)

- . . . . Regenerators

[F02G1/06](#)

- . Controlling

**F02G3/00**

**Positive-displacement engine plants characterised by the working gas being generated by combustion in the plant**

[F02G3/02](#)

- . with reciprocating-piston engines

**F02G5/00**

**Profiting from waste heat of combustion engines, not otherwise provided for**

[F02G5/02](#)

- . Profiting from waste heat of exhaust gases

[F02G5/04](#)

- . . in combination with other waste heat from combustion engines