

Gear with integral overcouple protection

Descriptive abstract

5 The present invention relates to a gear comprising a pinion being integral
with a rotatably mounted shaft in a support by means of a cleavable element
arranged to disengage the pinion from the shaft in case of an overcouple
between the pinion and the shaft, characterized by the fact that a guiding
10 module of the pinion, being pending, is arranged to maintain the pinion in
rotation in the support in case of a disengagement of the pinion from the
shaft. In a turbo-machine, a gear box comprising such a gear allows the
driving of auxiliary machines in case of a breakdown of a shaft in the gear
box.

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Figure for the abstract: Fig. 1

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