

A distributed architecture for a gas-turbine
starter/generator

ABSTRACT OF THE DISCLOSURE

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A gas-turbine starter/generator comprises: a
generator module comprising a first casing, a generator
housed in the first casing, and a first shaft constrained
to rotate with the rotor of the generator, projecting
10 from the first casing, and carrying a first mechanical
coupling member; an exciter module, comprising a second
casing, an exciter housed in the second casing, and a
second shaft distinct from the first shaft, constrained
to rotate with the rotor of the exciter, projecting from
15 the second casing, and carrying a second mechanical
coupling member; and an electrical connection comprising
a rectifier and at least one connector for connecting the
secondary circuit of the exciter to the primary circuit
of the generator. The mechanical coupling members are
20 coupled to a common gearwheel or to respective different
gearwheels of a gearbox of the gas turbine.

Fig. 3