

Abstract

The invention concerns a synchronous generator (301) of a gearless wind power installation (100) including an external rotor member (304) and
5 a stator (302), wherein the synchronous generator (301) has a generator outside diameter (344) and the stator (302) has a stator outside diameter and a ratio of the stator outside diameter to the generator outside diameter is greater than 0.86, in particular greater than 0.9 and in particular greater than 0.92.

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Figure 7