

Title (en)

METHOD AND SYSTEM FOR ASSEMBLING AN ELECTRICITY GENERATING UNIT

Title (de)

VERFAHREN UND ANORDNUNG ZUR MONTAGE EINER STROMERZEUGEREINHEIT

Title (fr)

PROCEDE ET DISPOSITIF POUR MONTER UNE UNITE GENERATRICE DE COURANT

Publication

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Application

**EP 03740229 A 20030612**

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Abstract (en)

[origin: WO2004001932A1] The invention relates to a method and system for assembling an electricity generating unit consisting of a generator and a reciprocating engine as the drive, in particular for centring an internal stator that is positioned inside an external rotor with an air gap. Said method comprises the following steps: mounting the external rotor onto the drive motor and connecting the rotor to the drive system of said motor; inserting at least two centring bolts, which are offset in the peripheral direction, into centring grooves that are provided in the rotor/stator for partially receiving, (when viewed from a radial direction), said centring bolts that bridge the air gap; centring the stator in the rotor by inserting said stator along the centring bolts inside the rotor; fixing the stator to the generator housing and fixing said generator housing to a connection housing of the drive motor; removing the centring bolts from the air gap.

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