

Title (en)
STATOR APPARATUS FOR A SYNCHRONOUS MOTOR

Title (de)
STATORANORDNUNG FÜR EINEN SYNCHRONMOTOR

Title (fr)
ENSEMBLE STATOR POUR MOTEUR SYNCHRONE

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Application
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Abstract (en)
[origin: WO2009121733A2] The invention relates to a stator apparatus for a multiphase synchronous machine, comprising a circular stator with stator teeth (4) directed radially inward and notches (5) located therebetween, and coil arrangements associated with each respective phase, each of said coil arrangements comprising a plurality of coils (7). The plurality of coils (7) of one of the coil arrangements are subdivided into four groups, of which groups at least two located opposite one another comprise a plurality of coils (7); wherein the groups are disposed at the stator (2) offset by 90° relative to the other respective groups, wherein the coils of the at least two groups comprising a plurality of coils (7) and located opposite one another are disposed at the stator teeth (4) such that no sides of the coils of the plurality of coils (7) are located in the same notch (5).

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