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(54) Title: A LOW PROFILE PERMANENT MAGNET SYNCHRONOUS MOTOR WITH SEGMENT STRUCTURE

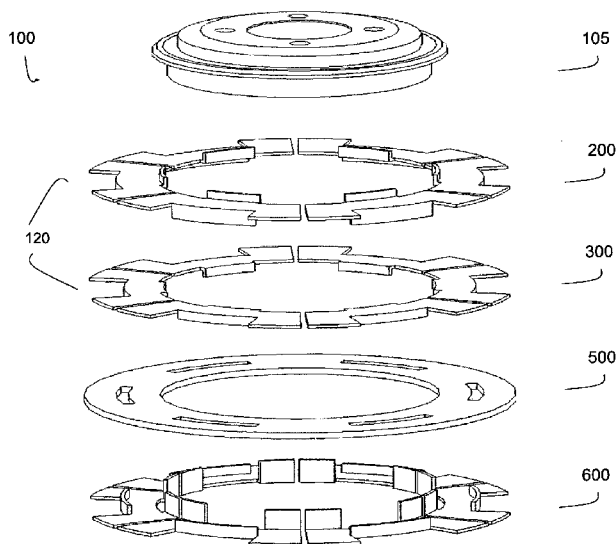


Figure 2

(57) Abstract: A low profile permanent magnet synchronous motor with segment structure. In accordance with this invention, a stator assembly for an electromagnetic motor is provided. The stator assembly has a first stator core and a second stator core that couple windings. Teeth extend outward from each stator core and through the windings to contact the other stator core.

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