CLAIMS:

1. A nacelle assembly for a high-bypass gas turbine engine comprising:

a core nacelle defined about an engine centerline axis;

a gear system driven by a core engine within said core nacelle to drive a fan within said fan nacelle, wherein said fan defines a corrected fan tip speed less than 1150 ft / second and said core engine includes a low pressure turbine which defines a low pressure turbine ratio that is greater than five (5);

a fan nacelle mounted at least partially around said core nacelle to define a fan bypass flow path for a fan bypass airflow, wherein said fan bypass airflow defines a bypass ratio greater than about six (6); and

a fan variable area nozzle movable axially relative said fan nacelle to vary a fan nozzle exit area and adjust a fan pressure ratio of the fan bypass airflow during engine operation, said fan pressure ratio is less than about 1.45.

2. The assembly as recited in claim 1, further comprising a controller operable to control said fan variable area nozzle to vary said fan nozzle exit area and adjust said fan pressure ratio.

3. The assembly as recited in claim 2, wherein said controller is operable to reduce said fan nozzle exit area at a cruise flight condition.

4. The assembly as recited in claim 2, wherein said controller is operable to control said fan nozzle exit area to reduce a fan instability.

5. The assembly as recited in claim 1, wherein said fan variable area nozzle defines a trailing edge of said fan nacelle.

6. The assembly as recited in claim 1, further comprising a controller operable to axially move said fan variable area nozzle to vary said fan nozzle exit area in response to a flight condition.

7. The assembly as recited in claim 1, wherein said gear system defines a gear reduction ratio of greater than or equal to about 2.3.

8. The assembly as recited in claim 1, wherein said gear system defines a gear reduction ratio of greater than or equal to about 2.5.

9. The assembly as recited in claim 1, wherein said fan bypass airflow defines a bypass ratio greater than about ten (10).

10. The assembly as recited in claim 1, wherein said fan bypass airflow defines a bypass ratio greater than ten (10).