

- [54] **OVERWING THRUST REVERSER**
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[57] **ABSTRACT**

A thrust reverser for utilization on wing mounted jet powered aircraft in which all exhaust gases are discharged over the wing thereof. The jet engine is housed in a nacelle which has inner and outer skins and which is affixed to the forward edge of the wing. The lower portion of the nacelle is contoured to form a continuous aerodynamic profile with the wing. The reverser is comprised of a target blocker door and side blocker doors which depend from said target blocker door. A bank of cascades is nested between the target blocker door and the inner skin of the nacelle. Appropriate linkages are utilized to swing the target and side blocker doors to deployed conditions, and roller bearings are incorporated to maintain the blocker doors within controlled motion rails. Concurrent with the blocker doors being moved to deployed positions, the cascade bank is translated aft to a point where it intercepts the gases jammed by the blocker doors and diverts the flow into a forward component.

5 Claims, 5 Drawing Figures

