

Abstract:

A shielding apparatus comprises a cylindrical shield body (14), a crankshaft (16) supported by the shield body rotatably around the axis (12) of the shield body, a plurality of rotors (18,20) successively provided in the direction of the axis in a front region ahead of the shield body and a driving mechanism (22) for rotating the crankshaft around the axis, wherein the rotors (18,20) define the outer surface of an approximately conical or truncated conical shape in conjunction with each other, and the adjoining rotors (18,20) are made eccentric with respect to the axis of the shield body in the different directions from each other.

