

ABSTRACT

**AN ANTI-SMOKE, ONE WAY FLOW EXHAUST SYSTEM FOR A MULTI-
STOREY BUILDING**

The present invention relates to an anti-smoke, one-way flow exhaust system (100)
5 for a multi-storey residential building comprises an exhaust channel (1) mounted on
an exhaust conduit (2), the exhaust channel (1) having an outlet connected to the
exhaust conduit (2) to release exhaust fume, an inlet connected to a fume duct (3). A
one-way vent (4) mounted on the exhaust channel (1) to prevent reverse flow of
exhaust from the exhaust conduit (2) to the exhaust channel (1). A top channel means
10 (6) mounted on top of the exhaust conduit (2), the top channel means (6) having at
least one top opening formed at one edge of a top member (7) thereof, at least one
bottom opening formed at one edge of a bottom member (8) thereof. A plurality of
side elements (9) mounted at periphery of the top channels means (6), the side
elements (9) having at least a pair of inclined sleeves (11) extending upwards, and at
15 least a pair of bottom inclined sleeves (12) extending downwards. A cone (10)
mounted below the top section (7) with tip facing down to divert upward flow of
exhaust flow from the exhaust conduit (2) to horizontal flow in the top channel means
(6).

The Most Illustrative Drawing: Fig. 1



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