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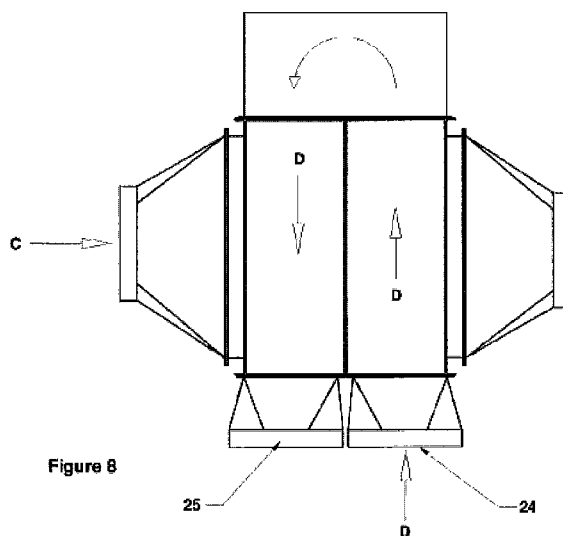
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(54) Title: HEAT RECOVERY SYSTEM



(57) Abstract: The invention relates to a heat recovery system that has particular application in hazardous and corrosive environments. The system comprises a heat exchanger with a housing having an air supply inlet, an air supply outlet, an exhaust inlet and an exhaust outlet; and a plurality of panels within the housing. The panels are spaced apart from each other to form a plurality of first channels extending through the heat exchanger in a first direction. Each panel comprises substantially parallel walls separated by spacers, to form a plurality of second channels extending through each panel in a second direction. Spaces between the panels in the second direction are closed. The supply air outlet is in communication with the exhaust air inlet. The system includes a fume cupboard having an exhaust means in communication with the exhaust outlet of the heat exchanger; and an air conditioner having a supply air intake means.



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