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(54) Title: AIR CONDITIONING ADAPTER FOR SHELTERS AND SAFE ROOMS

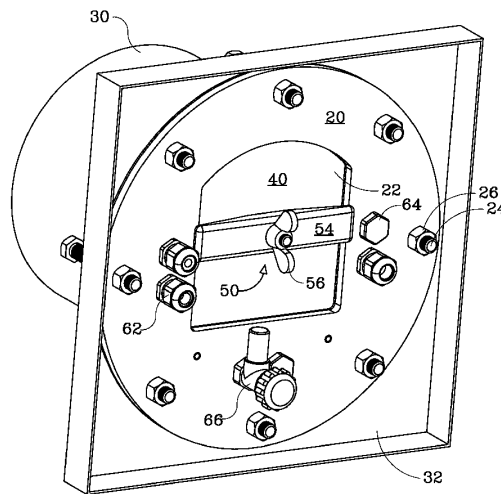


Fig. 7

(57) **Abstract:** An air conditioning adapter for use with wall sleeves of shelters and safe rooms, offering the advantages of: multiple air conditioning installation options in a single device, simplicity in operation and error proof safety, accessibility of safety components being permanently secured to the device, and installation in existing standard wall sleeves. The air conditioning adapter comprises: a cover-plate [20] (Fig. 7) having at least one aperture [22], the cover-plate being permanently secured to a flange [32] of the wall sleeve [30] at the inner side of the wall. An airtight door [40] fitted to the cover-plate [20], the airtight door [40] covers and seals the at least one aperture [22] when closed, and exposes the at least one aperture when open. And a lock [50] configured to affix the airtight door in the closed position. The airtight door is selectively opened during normal times, permitting free airflow of a central air conditioning system, while preserving neat appearance of the protected space, and is closed and locked in an event of emergency, thus providing

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blast protection and air tightness. When the airtight door is closed and even if the central air conditioning system is left operative, the airflow is turned back and vented to the atmosphere, thus significantly reducing the risk of penetration of potentially contaminated air into the protected space. The air conditioning adapter may further include a plurality of holes made to the cover-plate adjacent the at least one aperture. The holes are sized to accept cable glands [62] for penetration of conduits cables and pipes of a split air conditioning system, while maintaining blast protection and air tightness.