DIAMOND GRILE SYSTEM

ABSTRACT

A protective grille invention that uses mono core wires, and protective frame structures to prevent people from accidentally falling out a building or structure, and prevent unauthorised entry. The Diamond Grille System can be either a fixed or movable system, and includes of either a fixed grille frame or a movable (sliding, casement or bi-fold) grille frame. Its Hooked Ends Independent construction on both the end of the mono core wires acts as a redundancy failure prevention system in case the connections are loosened. The small outer diameters mono core wires provide a clearer view of the outside environment as compared to traditional metal window grilles. The mono core wires, unlike the Invisible Grille in the market, do not require any plastic membrane to protect the wires from environmental corrosion, nor to prevent wire splitters from injuring the consumers.

Figure 8 accompanies the abstract.