

BILLBOARD CONCEALING A MOBILE TELEPHONY ANTENNA

ABSTRACT

The invention relates to a billboard capable of completely concealing mobile telephony antennae or the like in its interior, without hindering the entry and exit of electromagnetic waves for the telephony service, in that a discrete quantity of windows that are permeable to electromagnetic waves are provided, all metallic materials being removed from the area of these windows. The windows are covered with flat patches of non-metallic material that is permeable to electromagnetic waves, preferably glass fibre reinforced plastics (GFRP); instead of the conventional metallic sections, substitute sections made of a non-metallic material that is permeable to electromagnetic waves are provided inside the area of the window or opening, on the framework covering, these combined measures being aimed at enabling the antennae inside the billboard to operate normally even though they are concealed inside the billboard, without any shielding of the electromagnetic waves.

Fig. 2