

ABSTRACT**SHOE WITH AIR VALVE FOR AIR REFRESHING SYSTEM**

A shoe with air valve for air refreshing system which includes an air inlet valve and an air outlet valves. The sole has a lateral wall that defines an air chamber and air channels in an inner portion of the sole, and there is an isolating wall separating the air chamber and air channels. The lateral wall has a through hole or bore therethrough and the isolating wall has an angled 'through' hole or bore therethrough. The air valve has a mounting portion with a movable diaphragm and the air valve can be inserted in the lateral wall bore of the air chamber in the sole so as to provide a unidirectional air inlet valve. The unidirectional air valve can also be installed in the bore in the isolating wall. The upper portion of the 'through' hole is formed with an expanding portion and a diaphragm is placed in the expanding portion. Thus, an air outlet valve is formed. By the aforesaid structure, the unidirectional air inlet and outlet valves are easily provided for the sole of a shoe having an air refreshing system, and thus the manufacturing cost can be reduced.

This Sheet Has Been Replaced

