

BIT GAGE HARDFACING

Abstract of the Disclosure

An earth boring bit has at least one rotatable cone with a gage surface that engages a sidewall of a wellbore as the bit rotates. The gage surface has hardfacing bars spaced circumferentially apart from each other. A first group of the hardfacing bars extends from the inner edge of the gage surface to gage sides of the heel row cutting elements. A second group of the hardfacing bars extends from the inner edge of the gage surface to spaces between the heel row cutting elements, forming trimmer cutting elements. The hardfacing bars are made up of carbide particles in a metallic matrix.

Figure 1