ABSTRACT

ROCK BOLT SYSTEM AND METHOD OF ROCK BOLTING

A rock bolt system comprises an inner part (1) disposed within an outer part (10). The inner part comprises an elongated tube having an axial depression (2) and an internal pressure fluid receiving chamber (4) which is closed at both of its ends. A fluid inlet communicates with the fluid receiving chamber. The outer part (10) comprises an elongated tube having a longitudinal slot (12), which slot extends at least part way along the length of the outer part tube. In use, the rock bolt system is placed in an oversized borehole (20) and pressurised fluid applied to the fluid receiving chamber. This causes the device to expand laterally and engage the walls of the borehole.

FIGURE 1