

METHOD AND APPARATUS FOR REDUCING STICK-SLIP IN DRILLING OPERATIONS

ABSTRACT

The present application describes methods and apparatuses for reducing stick-slip in drilling operations. An example apparatus may include a cylindrical tool body and a first roller disposed on an outer surface of the cylindrical tool body at a first location. The first roller may be at least partially disposed within a first cavity at the first location. The apparatus may also include a second roller disposed on the outer surface of the cylindrical tool body at a second location. The second location may be offset laterally and circumferentially from the first location on the cylindrical tool body. The second roller may be at least partially disposed within a second cavity at the second location.

Fig. 2A & 2B