

SCAN MECHANISM AND SCAN MODULE

ABSTRACT OF THE DISCLOSURE

A scan mechanism and a scan module are provided. The scan mechanism
5 adapted to be used in a scan module includes a rack and a scan unit. The rack has an
engaging surface, a bottom surface and a plurality of teeth disposed on the engaging
surface. Each of the teeth comprises a top end, wherein the distance between the
centers of any two adjacent top ends is W , the shortest distance from the top end of each
tooth to the bottom surface of the rack is D , and W/D is from 0.56 to 0.79. The scan
10 unit includes a gear engaged with the teeth of the rack and adapted to roll along the
engaging surface of the rack, wherein the scan unit is slidably disposed on the rack
through the gear.

Figure 2