

A GEAR ASSEMBLY**ABSTRACT**

5 A gear assembly comprises a first non-shifting element gear device having a plurality of planetary gear systems, wherein each individual planetary gear system comprises a ring gear with a braking mechanism; a fixed wheel planetary gear mounted on a connecting shaft; a fixed wheel sun gear; wherein the planetary gear is meshed between the sun gear and the ring gear; and wherein the braking
10 mechanism of each planetary gear system can be selectively applied for generating a gear ratio thereof, the first gear device having a plurality of gear ratios corresponding to the plurality of planetary gear systems.

FIG. 1

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