

## **ABSTRACT**

The inventions are intended for the design, production and use of flying discs used in popular sports such as Ultimate and Disc Golf, incorporating a new set of mechanisms within the discs that provides a whole new range of capabilities, in particular, the ability to implement dynamic changes to the disc's flight characteristics throughout the course of its flight. These new mechanisms, and the resulting set of new effects they provide, are intended to be introduced into new flying disc designs, and also incorporated into existing designs to complement and enhance their performance.