

## Methods Of Generating Body Designs For Vehicles Such As Ships

### Abstract

- 5 Methods and systems of generating a new body design for a new vehicle are disclosed. The method may include: providing an initial body design of a vehicle in a two-dimensional space with a plurality of frame lines; selecting a first boundary frame line of the initial body design and a second boundary frame line of the initial body design; selecting a first reference frame line between the first boundary frame line and the second boundary frame
- 10 line; selecting a morphing parameter, wherein the morphing parameter is a rate of change between the first reference frame line and the first boundary frame line and/or the second boundary frame line; modifying the initial body design from the first reference frame line towards the first boundary frame line and/or from the first reference frame line towards the second boundary frame line based on the morphing parameter; and generating the new
- 15 body design.

(Figure 1)