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**Sopper et al.**

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(54) **UNMANNED AERIAL VEHICLE FOR COLLABORATION**  
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(57) **ABSTRACT**

(51) **Int. Cl.**  
**B64C 39/02** (2006.01)  
**H04L 29/08** (2006.01)  
(52) **U.S. Cl.**  
CPC ..... **B64C 39/024** (2013.01); **H04L 67/10** (2013.01)  
(58) **Field of Classification Search**  
CPC ..... B64C 39/024; H04L 67/10  
USPC ..... 701/2  
See application file for complete search history.

A mobile telepresence system may include a frame, a propulsion system operably coupled to the frame to propel the frame through a designated space, a screen movably coupled to the frame, and an image output device coupled to the frame. The frame may include a central body defining a longitudinal axis of the frame, a first arm at a first end portion of the central body, and a second arm at a second end portion of the central body, opposite the first end portion of the central body. The propulsion system may include rotors at opposite end portions of the first and second arms which propel the frame in response to an external command. The image output device may project an image onto the screen in response to an external command.

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**20 Claims, 17 Drawing Sheets**

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