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(54) Title: CAPTURE SYSTEM ADAPTED TO CAPTURE SPACE OBJECTS, IN PARTICULAR FOR RECOVERY OR DEORBITING PURPOSES

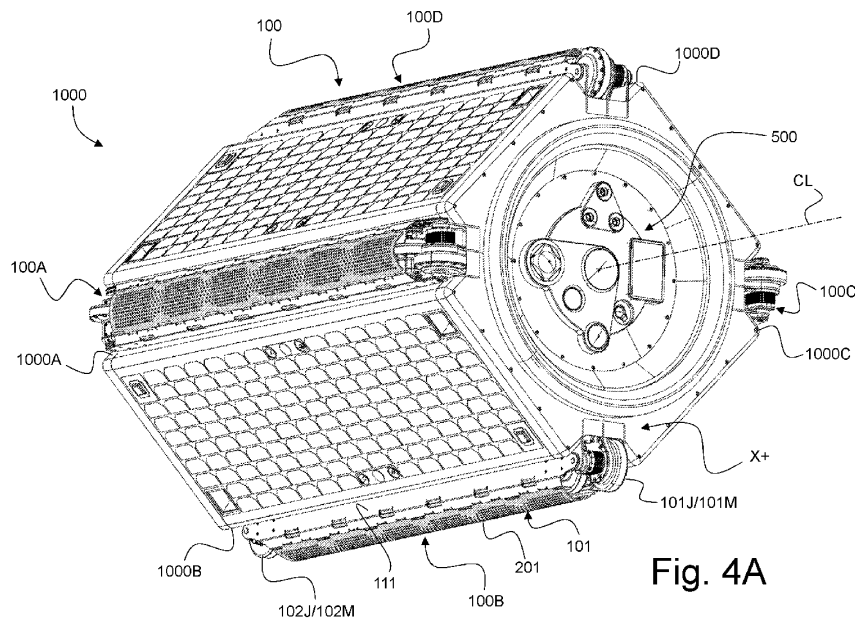


Fig. 4A

(57) Abstract: There is described a capture system (100) adapted to capture a target space object (SO), comprising a plurality of articulated arms (100A-D) configured to be deployable from a stowed configuration to a deployed configuration to perform capture of the target space object (SO). Each articulated arm (100A-D) includes a plurality of articulated arm segments (101, 102, 103) including a first articulated arm segment (101) coupled at a proximal end (101a) to a spacecraft (1000) or to a platform deployable from said spacecraft (1000) via a first pivoting joint (101 J) and at least a second articulated arm segment (102) coupled at a proximal end (102a) to a distal end (101b) of the first articulated arm segment (101) via a second pivoting joint (102J). According to one aspect of the invention, the plurality of articulated arm segments (101, 102, 103) are nestable one within the other, in the stowed configuration, such that the first and second articulated arm segments (101, 102) are intertwined.

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