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(54) Title: CAPPING AND DECAPPING DEVICE, CAPPING AND DECAPPING SYSTEM AND METHOD OF CAPPING AND DECAPPING A TUBE

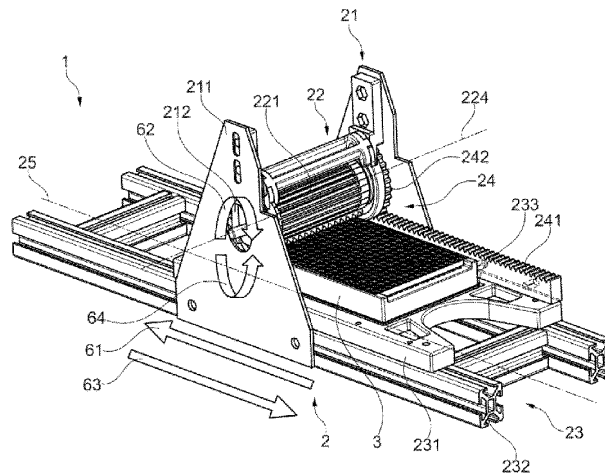


Fig. 1

(57) Abstract: A capping and decapping device (2) for reversibly removing and mounting of a cap (5) to and from a tube (4) received in a tube seat (32) of a microplate (3) comprises a drum member (22) having a cap stamp (223), and a frame structure (21) supporting the drum member (22) such that the drum member (22) is rotatable about a rotational axis relative to the frame structure (21). The capping and decapping device (2) is configured to rotate the drum member (22) in a first rotational direction (62) when the microplate (3) receiving the tube (4) is moved relative to the frame along a predefined path (25) in a first path direction (61), and to rotate the drum member (22) in a second rotational direction (64) when the microplate (3) receiving the tube (4) is moved relative to the frame along the predefined path (25) in a second path direction (63). The first rotational direction (62) is opposite to the second rotational direction (64) and the first path direction (61) is opposite to the second path direction (63). The cap stamp (223) is configured to remove the cap

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(5) from the tube (4) when the microplate (3) receiving the tube (4) is moved in the first path direction (61). The cap stamp (223) is configured to connect the cap (5) to the tube (4) when the microplate (3) receiving the tube (4) is moved in the second path direction (63).