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(71) Applicant: **GLOBALWAFERS CO., LTD.** [CN/CN]; No. 8, Gongye E. 2nd Rd., East District, Hsinchu City, 30075 (TW).

(72) Inventors: **UHM, Jin Yong**; 501 Pearl Drive, St. Peters, Missouri 63376 (US). **HO, Chin-Hung**; No 2, Creation Park Rd. 1, Hsinchu Science Park, Hsinchu City, 30077 (TW). **CHENG, Chih-Kai**; No 2, Creation Park Rd. 1, Hsinchu Science Park, Hsinchu City, 30077 (TW). **LIN, Chen-Yi**; No. 2 Creation Park Rd. 1, Hsinchu Science Park, Hsinchu City, 30077 (TW). **TSAI, Feng-Chien**; No 2, Creation Park Rd. 1, Hsinchu Science Park, Hsinchu City, 30077 (TW). **LI, Tung-Hsiao**; No 2, Creation Park Rd. 1,

Hsinchu Science Park, Hsinchu City, 30077 (TW). **JEONG, Young Gil**; 501 Pearl Drive, St. Peters, Missouri 63376 (US).

(74) Agent: **SCHUTH, Richard A.** et al.; ARMSTRONG TEASDALE LLP, 7700 Forsyth Blvd., Suite 1800, St. Louis, Missouri 63105 (US).

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(54) Title: CLEANING TOOLS AND METHODS FOR CLEANING THE PULL CABLE OF AN INGOT PULLER APPARATUS

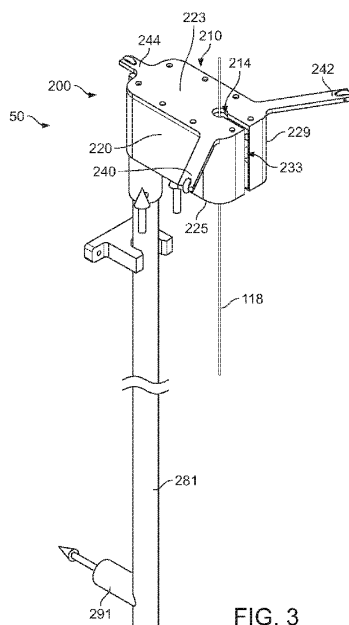


FIG. 3

(57) Abstract: Cleaning tools for cleaning the pull cable of an ingot puller apparatus and methods for cleaning the pull cable are disclosed. The cleaning tool includes a chamber for receiving the pull cable. Pressurized fluid is discharged through one or more nozzles to detach debris from the pull cable. The fluid and debris are collected in an exhaust plenum of the cleaning tool and are expelled through an exhaust tube. The cleaning tool includes one or more guides that guide the cleaning tool in an upper segment of the ingot puller apparatus.

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