

Item 8.01 Other Events

On December 22, 2016, Rudolph announced the U.S. Court of Appeals for the Federal Circuit has issued a ruling regarding Camtek Ltd.'s requested reexamination of Rudolph's U.S. Patent No. 7,729,528.

The information in this Current Report on Form 8-K shall not be deemed "filed" for purposes of Section 18 of the Securities Exchange Act of 1934 (the "Exchange Act") or otherwise subject to the liabilities of that section, nor shall it be deemed incorporated by reference in any filing under the Securities Act of 1933 or the Exchange Act, except as shall be expressly set forth by specific reference in such filing.

Item 9.01. Financial Statements and Exhibits.

(d) Exhibits

Exhibit No.	Description of Exhibit
99.1	Press Release issued December 22, 2016, "Rudolph Announces Ruling in Patent Reexamination Appeal by Camtek"

EXHIBIT INDEX

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SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned thereunto duly authorized.

RUDOLPH TECHNOLOGIES, INC.

Date: December 22, 2016 By: /s/ Michael P. Plisinski
Michael P. Plisinski
Chief Executive Officer