

(12) United States Design Patent (10) Patent No.: US D900,165 S Nemoto et al. (45) Date of Patent: ** Oct. 27, 2020

- (54) FLUID PRESSURE CYLINDER WITH LOCK MECHANISM
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D699,759 S	*	2/2014	Peschel	D15/7
			Peschel	
			Ikari	
D888,773 S	*	6/2020	Sato	D15/7

OTHER PUBLICATIONS

Japanese Notification of Reason for Refusal dated Oct. 7, 2019, in Design Application No. 2019-002086, 5 pages (with English translation).

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 CPC F15B 15/1447; F15B 15/149; F15B 15/1438; F15B 15/1457; F15B 15/222; F15B 15/2861; F15B 15/1428; F15B

* cited by examiner

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(57) **CLAIM**

The ornamental design for a fluid pressure cylinder with lock mechanism, as shown and described.

DESCRIPTION

FIG. 1 is a front elevational view of a fluid pressure cylinder with lock mechanism;
FIG. 2 is a rear elevational view thereof;
FIG. 3 is a top plan view thereof;
FIG. 4 is a bottom plan view thereof;
FIG. 5 is a left side elevational view thereof;

FIG. **6** is a right side elevational view thereof; FIG. **7** is a front, top, and left side perspective view thereof; and,

15/1461; F16J 10/02; F16J 1/12; F02M 37/04

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D370,683 S	*	6/1996	Stahlman D15/7
D480,405 S	*	10/2003	Kleffmann D15/143

FIG. 8 is a rear, bottom, and right side perspective view thereof.

The broken lines shown in the figures illustrate portions of the fluid pressure cylinder with lock mechanism that form no part of the claimed design.

1 Claim, 7 Drawing Sheets



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FIG. 5

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FIG



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