



(12) **United States Design Patent**  
**Cinar et al.**

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(54) **SOLID STATE DRIVE MEMORY DEVICE**

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(52) **U.S. Cl.**  
USPC ..... **D14/435**

(58) **Field of Classification Search**

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CPC ..... G06F 1/1658; G06F 1/1684; G06F 1/185; G06F 1/187; G06F 1/186; G06K 19/04; G06K 19/041; G06K 19/07728; G06K 19/07732; G06K 19/07747; G06K 19/077; G06K 19/0772; G11B 2220/60; H01L 23/34; H01L 23/40; H05K 5/03;

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See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

D327,071 S \* 6/1992 Derbyshire ..... D14/256  
D345,959 S \* 4/1994 Cooper ..... D13/110  
D348,247 S \* 6/1994 Cooper ..... D13/110  
D400,512 S \* 11/1998 Korhonen ..... D13/184

(Continued)

**FOREIGN PATENT DOCUMENTS**

CN 115440673 A \* 12/2022 ..... H05K 1/181  
EP 0710955 A2 5/1996

(Continued)

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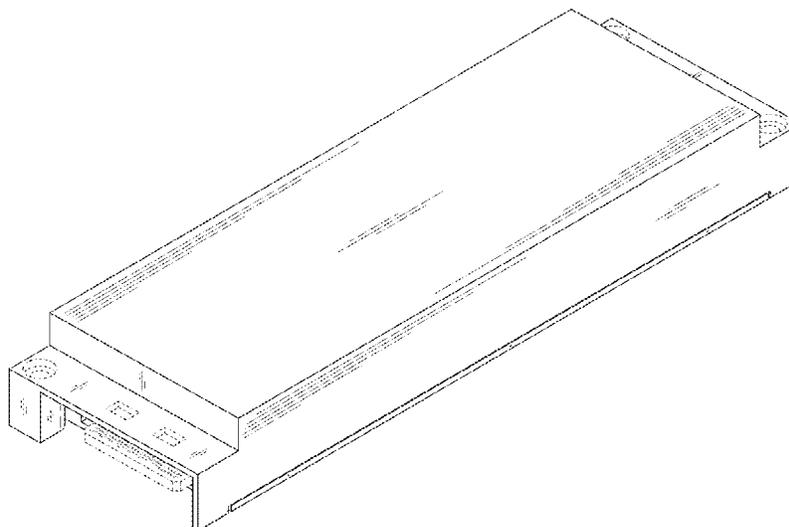
(57) **CLAIM**

The ornamental design for a solid state drive memory device, as shown and described.

**DESCRIPTION**

FIG. 1 is a front perspective view of a solid state drive memory device showing my new design; FIG. 2 is a front view thereof; FIG. 3 is a left-side view thereof; and, FIG. 4 is a top plan view thereof. The evenly dashed broken lines in the figures depict portions of the solid state drive memory device that form no part of the claimed design.

**1 Claim, 4 Drawing Sheets**



(56)

References Cited

U.S. PATENT DOCUMENTS

6,287,143 B1 9/2001 Lwee  
9,135,957 B2 9/2015 Grobe et al.  
D743,399 S \* 11/2015 Frank ..... D14/435  
D768,134 S \* 10/2016 Andre ..... D14/436  
9,501,110 B2 11/2016 Heyd et al.  
9,607,914 B2 3/2017 Gwin  
D826,944 S \* 8/2018 Lim ..... D14/435  
D826,945 S \* 8/2018 Lim ..... D14/435  
D828,358 S \* 9/2018 Lim ..... D14/435  
10,140,063 B2 11/2018 Worley et al.  
10,349,542 B2 7/2019 Chen et al.  
10,416,731 B2 9/2019 Heyd et al.  
D888,000 S \* 6/2020 Lim ..... D13/184  
D896,229 S \* 9/2020 Jun ..... D14/435  
D907,031 S \* 1/2021 Fitzgerald ..... D14/299  
D943,586 S \* 2/2022 Jun ..... D14/435  
D967,823 S \* 10/2022 Crisp ..... D14/435  
11,585,359 B2 \* 2/2023 Lu ..... F16B 5/0635  
11,632,878 B2 \* 4/2023 Li ..... H01L 23/4006  
361/704  
2020/0174533 A1 6/2020 Long  
2020/0302259 A1 \* 9/2020 Kanaoka ..... H01Q 9/0421  
2022/0394862 A1 \* 12/2022 Okubo ..... H05K 1/181

FOREIGN PATENT DOCUMENTS

EP 1494518 A1 \* 1/2005 ..... H05K 5/0008  
JP 2018195436 A 12/2018  
KR 20170000709 A \* 1/2017

\* cited by examiner

FIG. 1

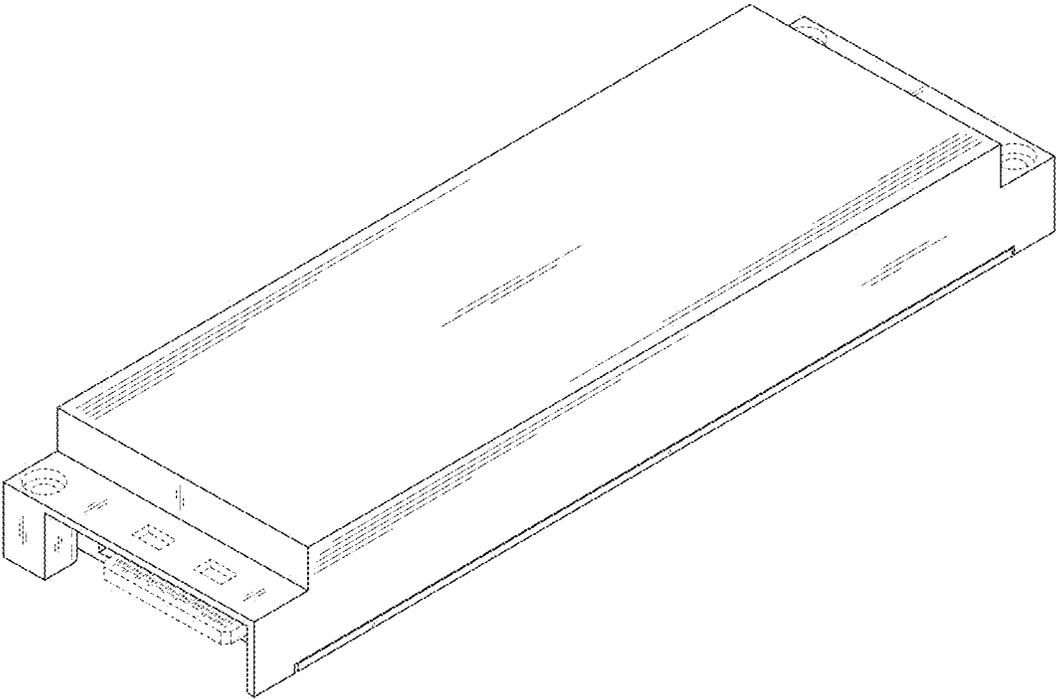


FIG. 2

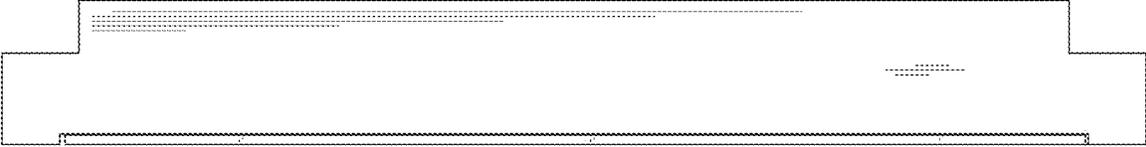


FIG. 3

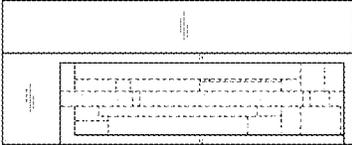


FIG. 4

