## United States Patent [19]

## McCarthy

[11] Des. 263,042

[45] \*\* Feb. 16, 1982

[75] Inventor: Alfred F. McCarthy, Belmount, N.H.  [73] Assignee: Aavid Engineering, Inc., Laconia, N.H.  [**] Term: 14 Years  [21] Appl. No.: 32,922  [22] Filed: Apr. 24, 1979  [51] Int. Cl. D13—03  [52] U.S. Cl. D13/23; 174/16 HS  165/80, 80 A, 80 B; 357/81  [56] References Cited  U.S. PATENT DOCUMENTS  3,211,822 10/1965 Krall et al. 165/80 B X 3,247,896 4/1966 Chu et al. 165/80 B	[54]	WINGED-COLLAR HEAT SINK FOR ELECTRONIC DEVICES		
N.H.  [**] Term: 14 Years  [21] Appl. No.: 32,922  [22] Filed: Apr. 24, 1979  [51] Int. Cl. D13—03  [52] U.S. Cl. D13/23  [58] Field of Search D13/23; 174/16 HS  165/80, 80 A, 80 B; 357/81  [56] References Cited  U.S. PATENT DOCUMENTS  3,211,822 10/1965 Krall et al. 165/80 B X	[75]	Inventor:	Alfred F. McCarthy, Belmount, N.H.	
[21] Appl. No.: 32,922 [22] Filed: Apr. 24, 1979  [51] Int. Cl	[73]	Assignee:		
[22] Filed: Apr. 24, 1979  [51] Int. Cl	[**]	Term:	14 Years	
[51] Int. Cl	[21]	Appl. No.:	32,922	
<ul> <li>[52] U.S. Cl</li></ul>	[22]	Filed:	Apr. 24, 1979	
U.S. PATENT DOCUMENTS  3,211,822 10/1965 Krall et al 165/80 B X	[52]	U.S. Cl	D13/23	
3,211,822 10/1965 Krall et al 165/80 B X	[56]			
		U.S. F	ATENT DOCUMENTS	

## OTHER PUBLICATIONS

Allied Electronics 1975 Engineering Manual & Purchasing Guide, p. 51, Type 296 Snap-on Heat Sink. Tor Semiconductor, Heat Sinks & Cooling Accessories, Cat. #10, p. 7, Series 400, "Flag Coolers".

Primary Examiner—Susan J. Lucas Attorney, Agent, or Firm—James E. Mrose

[57] CLAIM

The ornamental design for a winged-collar heat sink for electronic devices, substantially as shown.

## **DESCRIPTION**

FIG. 1 is a perspective view of a winged-collar heat sink for electronic devices showing my new design, the broken lines being shown for illustrative purposes only; FIG. 2 is a front elevational view of the same heat sink;

FIG. 3 is a rear elevational view thereof;

FIG. 4 is a side elevational view thereof, looking toward the right side of the heat sink as it is shown in FIG. 1;

FIG. 5 is a side elevational view thereof, looking toward the left side of the heat sink as it is shown in FIG. 1;

FIG. 6 is a top plan view thereof; and

FIG. 7 is a bottom plan view thereof.

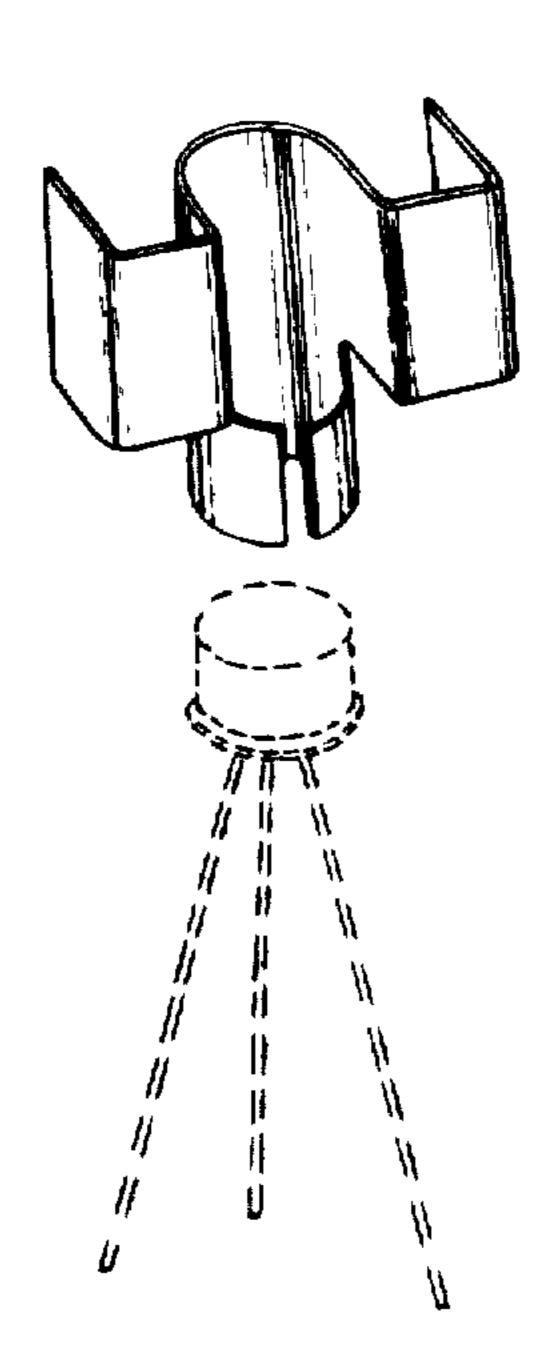


FIG. 1

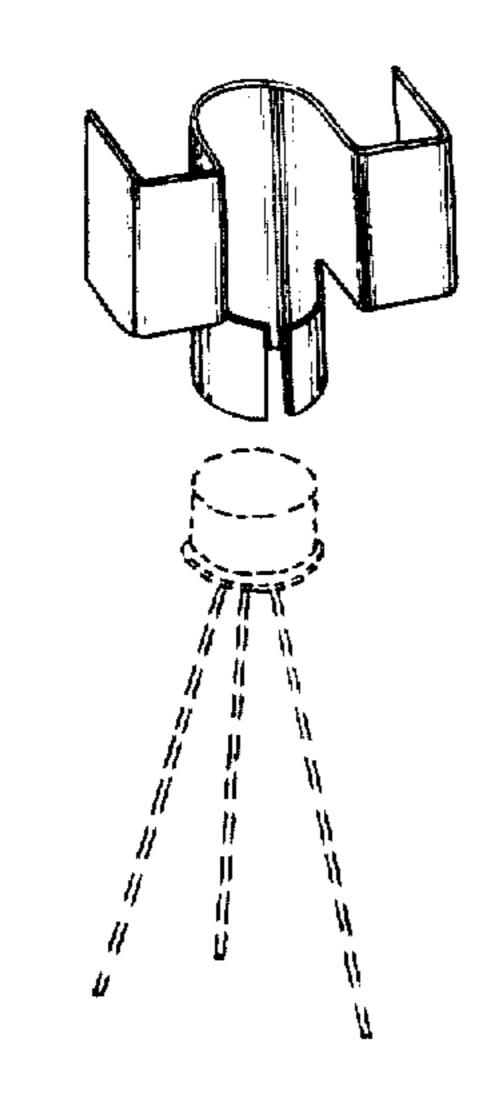


FIG. 2

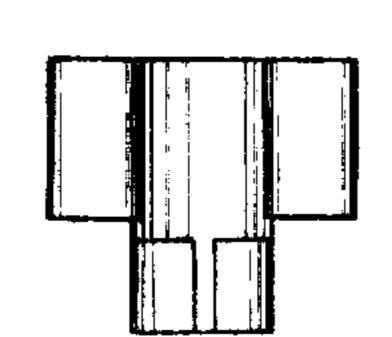
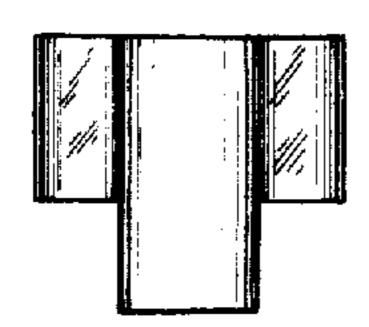
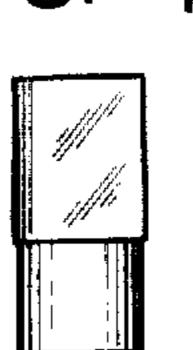
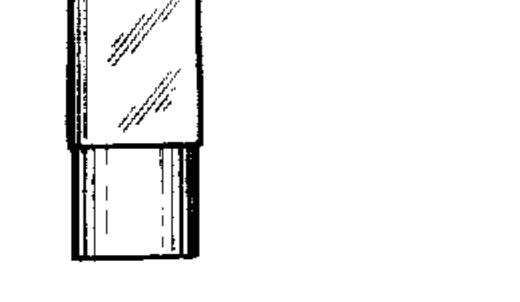


FIG. 3



F1G. 4







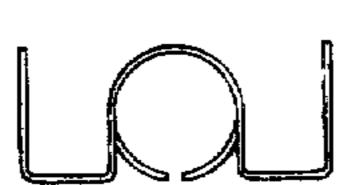


FIG. 7

