



US00D735245S

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

(10) **Patent No.:** **US D735,245 S**

(45) **Date of Patent:** **** *Jul. 28, 2015**

(54) **CRUSHER FEED HOPPER HATCH ASSEMBLY**

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(57) **CLAIM**

The ornamental design for a crusher feed hopper hatch assembly, as shown and described.

(73) Assignee: **SANDVIK MINING AND CONSTRUCTION OY**, Tampere (FI)

DESCRIPTION

(*) Notice: This patent is subject to a terminal disclaimer.

(**) Term: **14 Years**

(21) Appl. No.: **29/446,970**

(22) Filed: **Feb. 28, 2013**

(30) **Foreign Application Priority Data**

Aug. 28, 2012 (EM) 001341606-0001
Aug. 28, 2012 (EM) 001341606-0002
Aug. 28, 2012 (EM) 001341606-0003

FIG. 1 is a perspective view of a crusher feed hopper hatch assembly showing our new design in assembled condition; FIG. 2 is a front view thereof; FIG. 3 is a rear view thereof; FIG. 4 is a side view thereof; FIG. 5 is an opposite side view thereof; FIG. 6 is a top view thereof; FIG. 7 is a bottom view thereof; FIG. 8 is a perspective view of the door portion with hinges of a crusher feed hopper hatch assembly shown separate for ease of illustration; FIG. 9 is a front view thereof; FIG. 10 is a rear view thereof; FIG. 11 is a side view thereof; FIG. 12 is an opposite side view thereof; FIG. 13 is a top view thereof; FIG. 14 is a bottom view thereof; FIG. 15 is a perspective view of the frame portion of a crusher feed hopper hatch assembly shown separate for ease of illustration; FIG. 16 is a front view thereof; FIG. 17 is a rear view thereof; FIG. 18 is a side view thereof; FIG. 19 is an opposite side view thereof; FIG. 20 is a top view thereof; and, FIG. 21 is a bottom view thereof.

(51) **LOC (10) Cl.** **15-03**

(52) **U.S. Cl.**
USPC **D15/28**

(58) **Field of Classification Search**

USPC D15/10, 21, 28, 123, 126, 122, 138, D15/147, 199; 180/89.1, 89.12, 89.13; 220/345.1, 361; 241/36, 100, 287
See application file for complete search history.

The broken line showing of various surface features is included for the purpose of illustrating portions of the crusher feed hopper hatch assembly and forms no part of the claimed design.

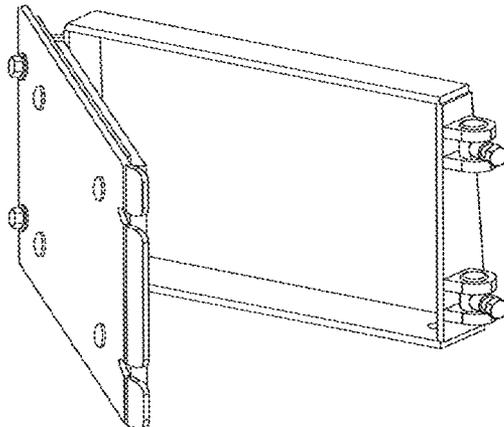
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1 Claim, 21 Drawing Sheets



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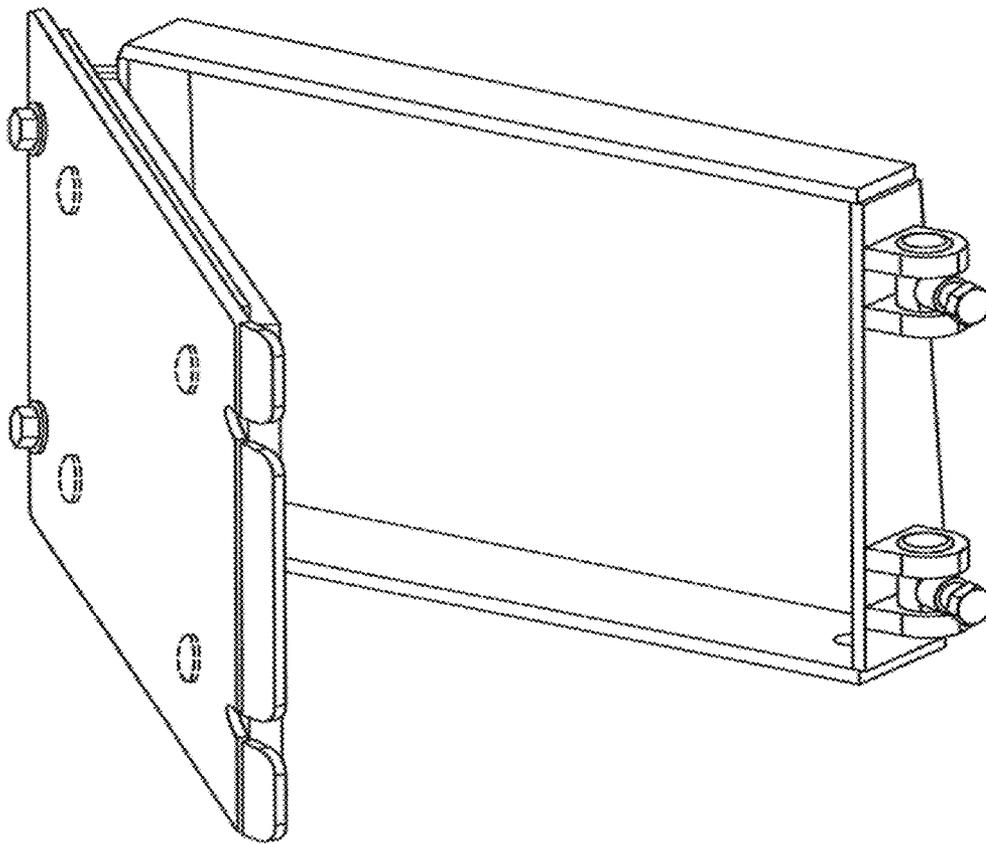


Fig. 1

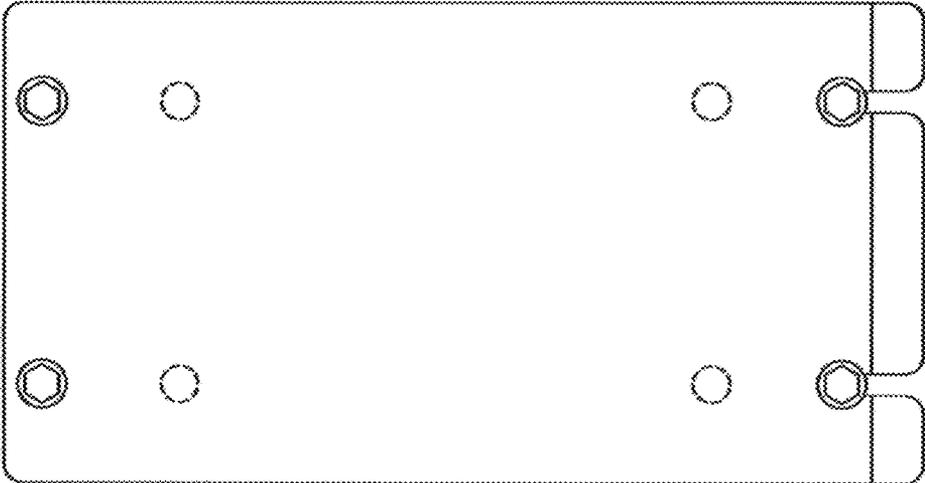


Fig. 2

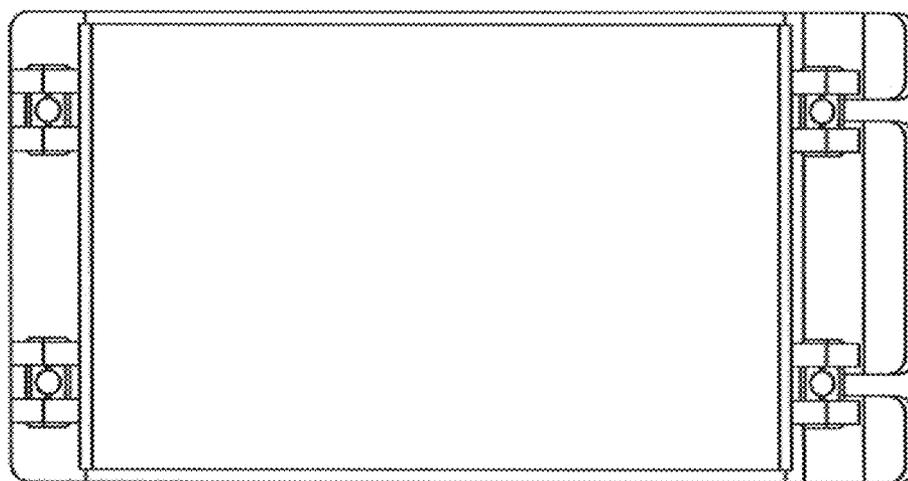


Fig. 3

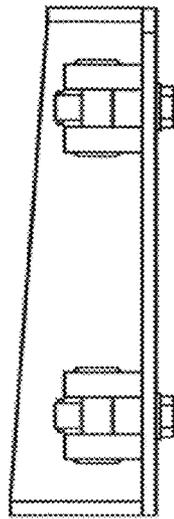


Fig. 4

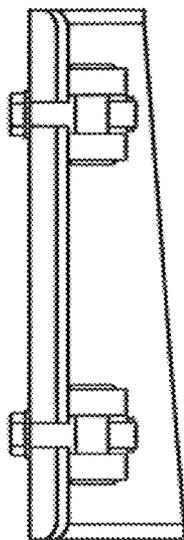


Fig. 5

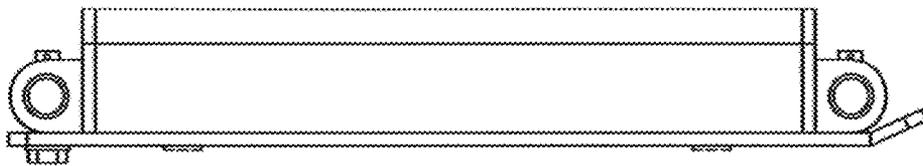


Fig. 6

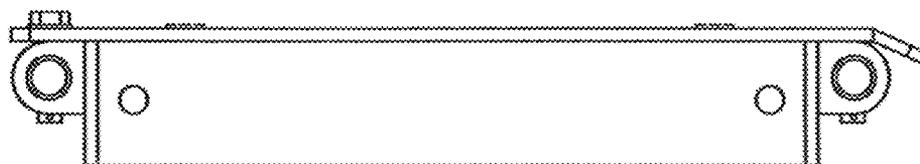


Fig. 7

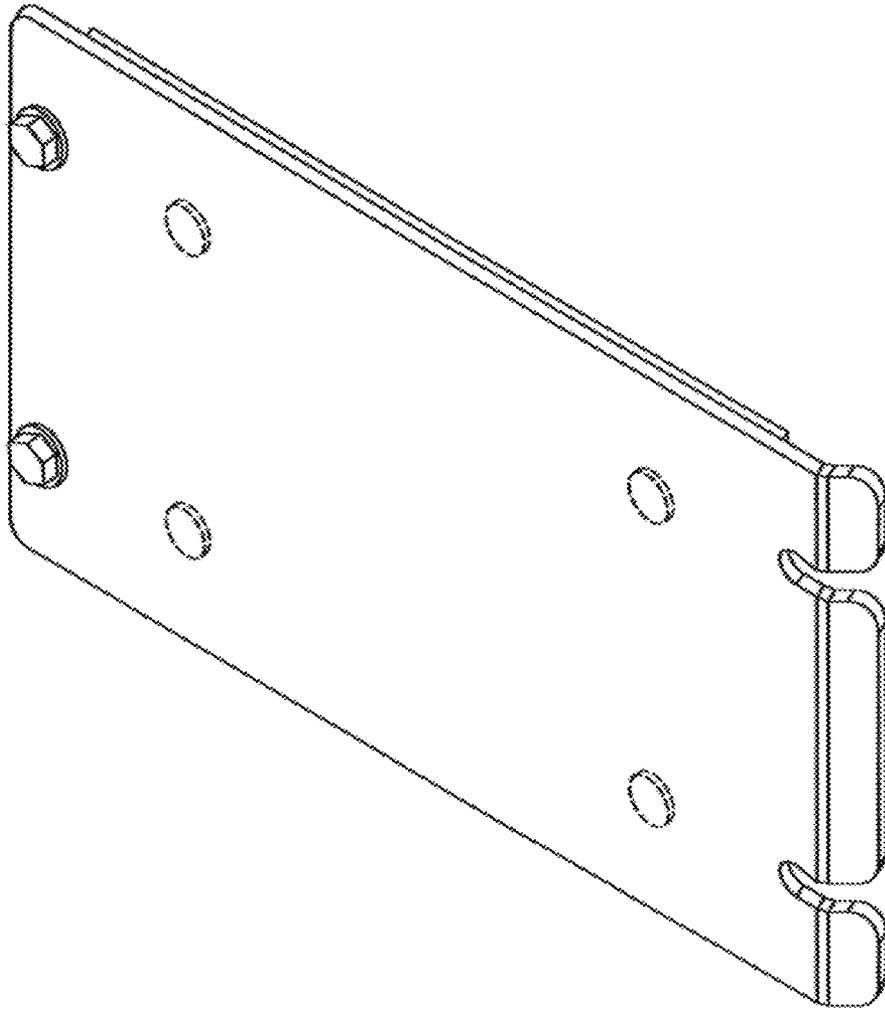


Fig. 8

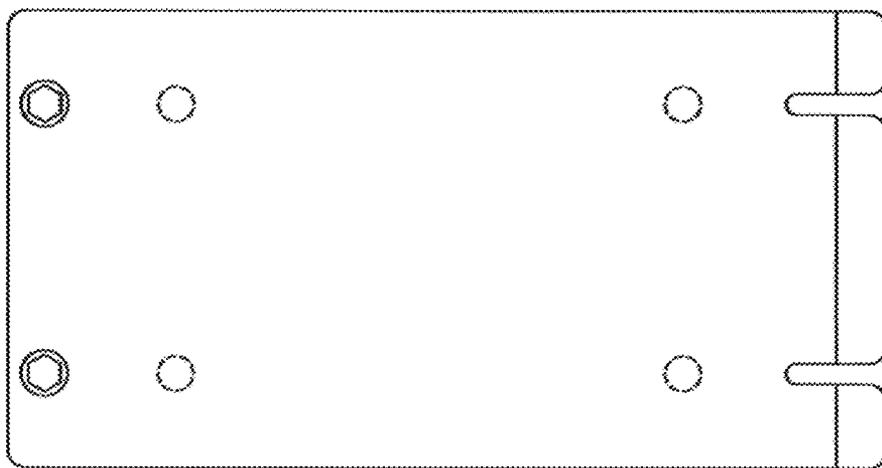


Fig. 9

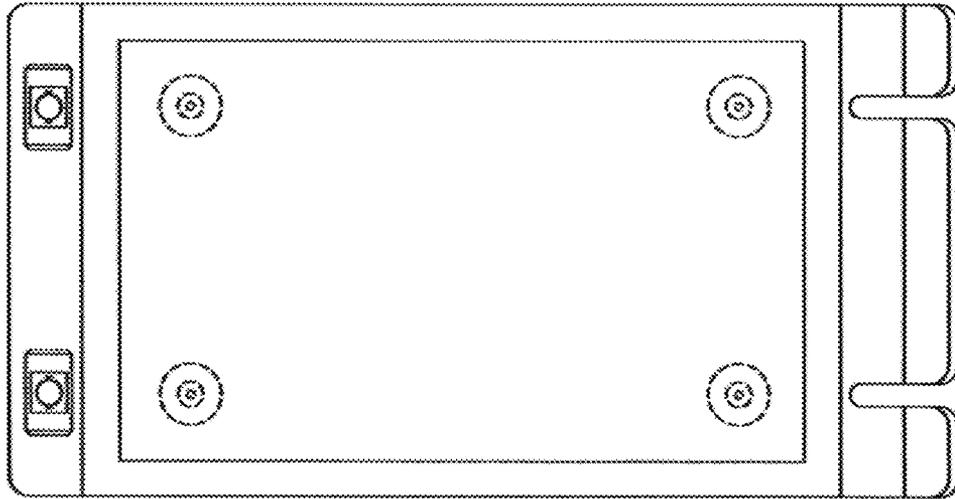


Fig. 10

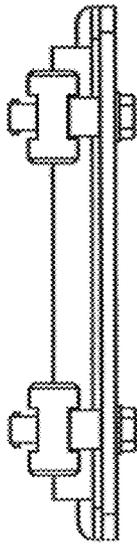


Fig. 11

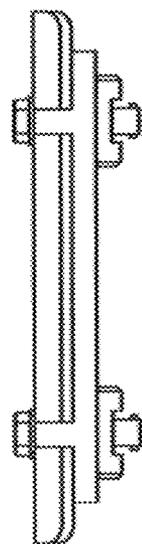


Fig. 12

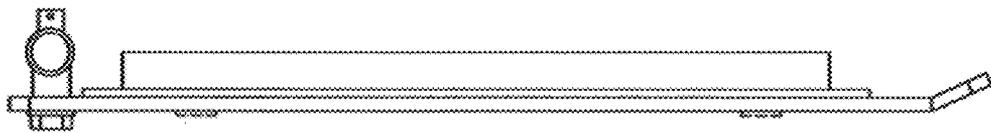


Fig. 13

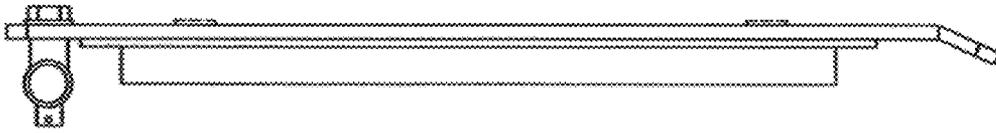


Fig. 14

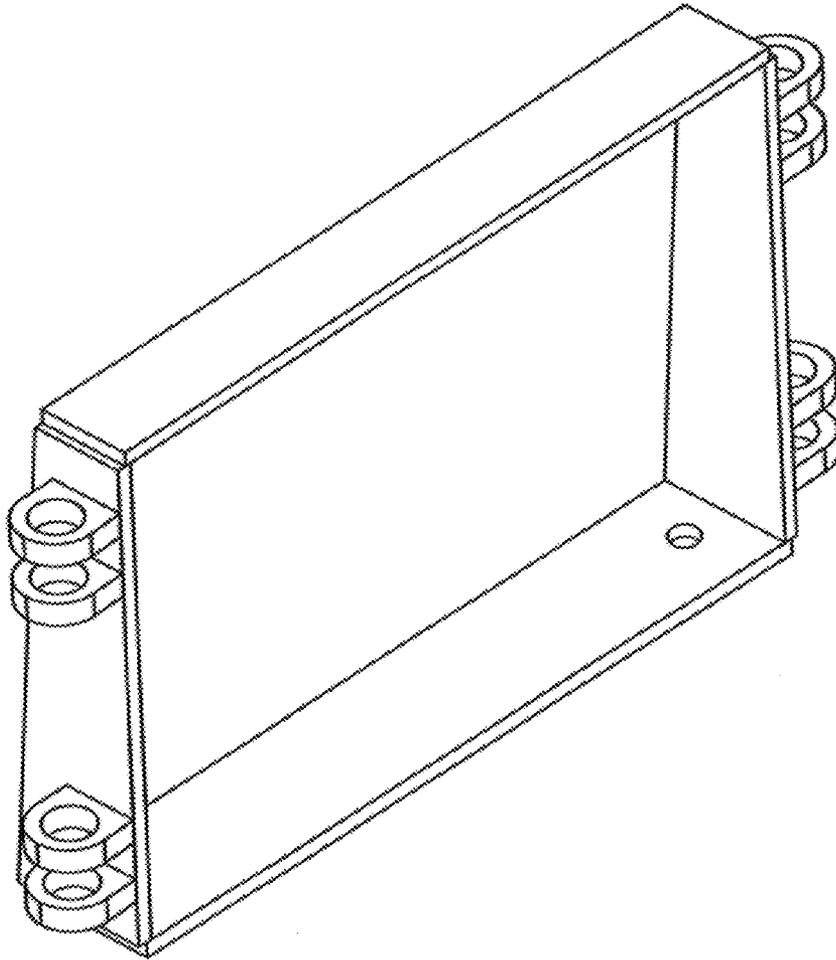


Fig. 15

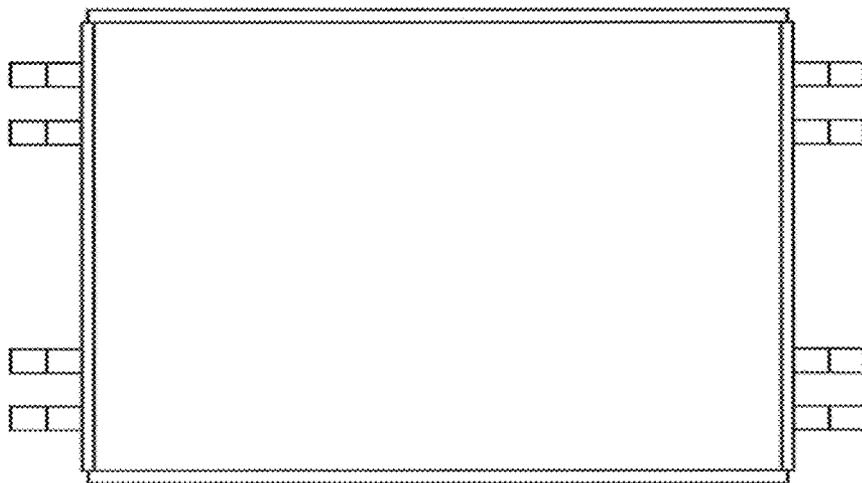


Fig. 16

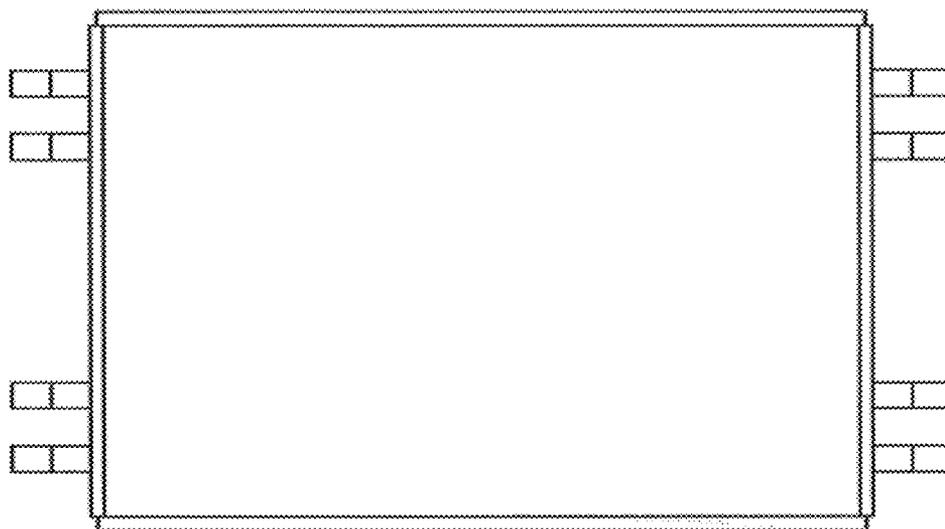


Fig. 17



Fig. 18

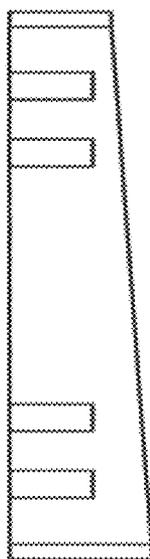


Fig. 19

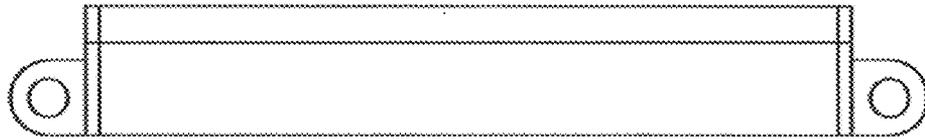


Fig. 20



Fig. 21