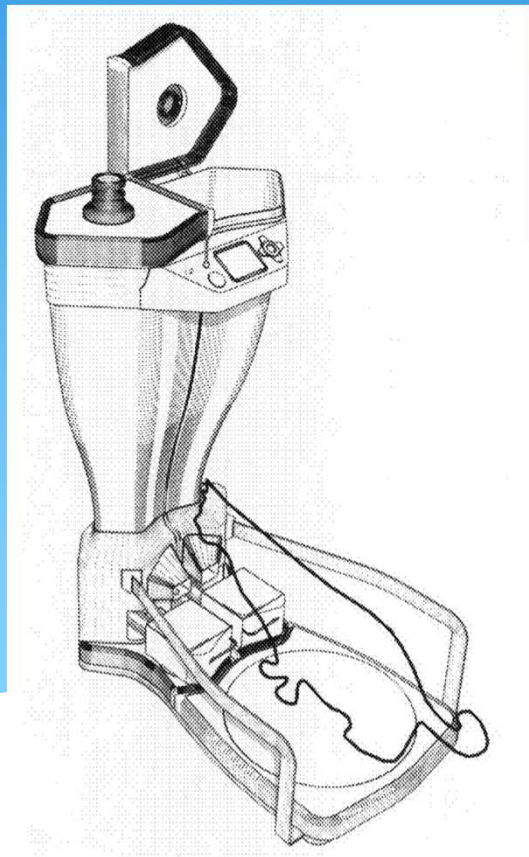


Cat Feeder

Team 2



Patent 1: Weight Control Pet Feeding System.
Retrieved from
<https://www.google.com/patents/US20100263596>

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Description

- * Weighs your cat
- * Displays cat weight
- * Adjustable food portions
- * Adjustable timer
- * Market: USA



Pet Bowl. Picture retrieved from:
http://www.amazon.com/MidWest-Stainless-Steel-Snappy-Water/dp/B0012GS73S/ref=sr_1_2?ie=UTF8&qid=1458606860&sr=8-2&keywords=food+bowls



Dispensing Mechanism. Picture retrieved from:
<http://www.webstaurantstore.com/zevro-kch-06118-white-single-canister-dry-food-dispenser/993GAT1WH.html>

Key Requirements

✧ Cost

- * Sales Price: \$300 , Component Cost: \$110

✧ Environment:

- * Indoor
- * Operating Temperature Range: 0~50°C
- * Operating Humidity Range: 0% to 75%

✧ Power Input :

- * Residential AC Power: 110 ~ 120VAC @ 15A

✧ Major Functions, Quantities Measured, Displayed

- * Functions: On, Off, pour food and weights pet
- * Pet Weight Range: 8lbs to at most 25lbs
- * Container size: 13 ounces of dry food
- * Display: 16 characters and 2 lines
- * Bowl: 4.7" x 4.7" x 1" & 12ounces

Block Diagram

