

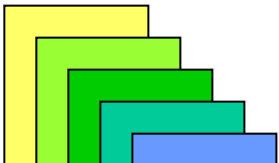
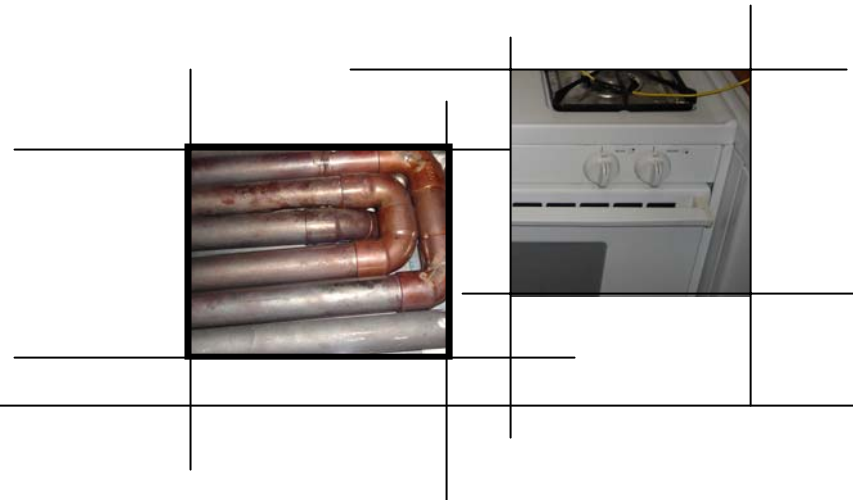
Antonio Vitti, PhD

Power point presentation for a

# Air heater for gas stove

Patent pending in USA and Italy

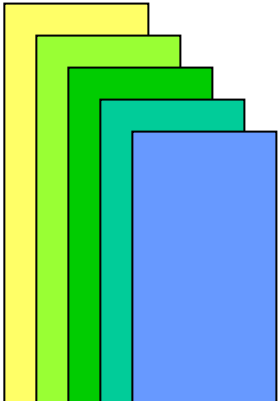
New York , June 2 2006



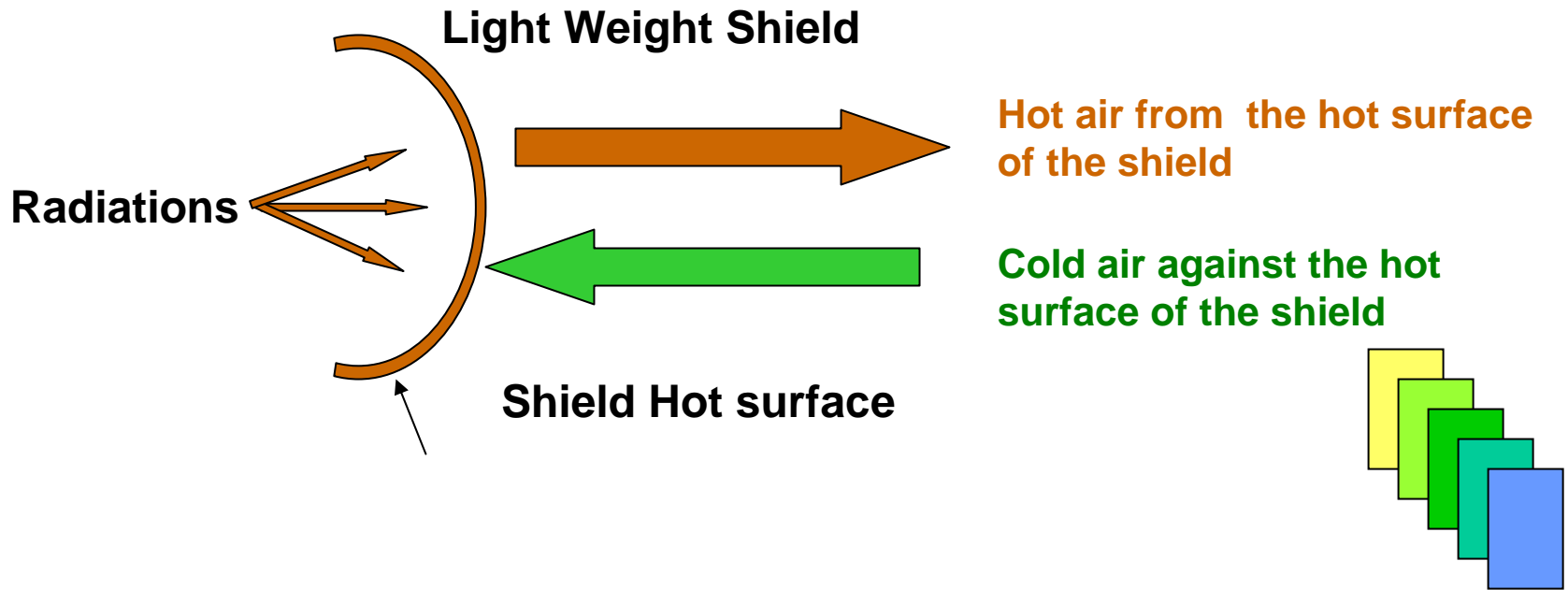
# 14,000 – 17,000 BTU/hour of Hot air for domestic heating



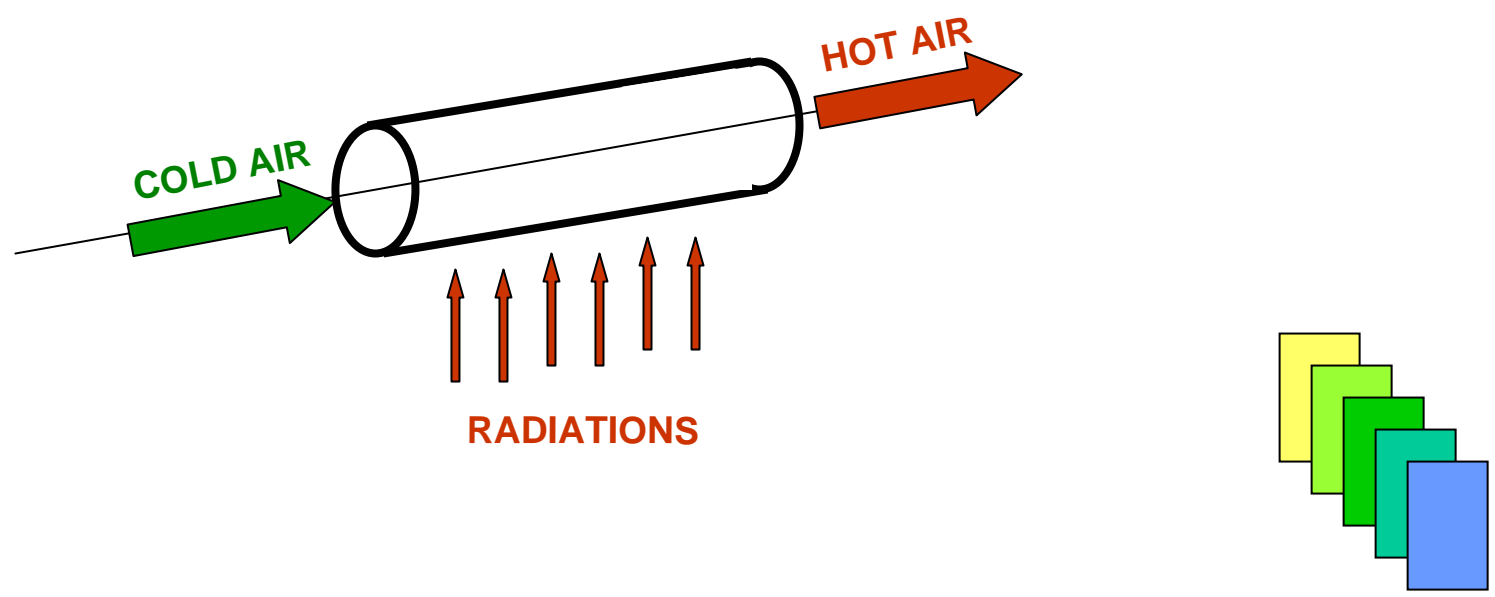
The invention consists in a machine which can generate hot air for domestic heating using burners of a kitchen stove as energy source.



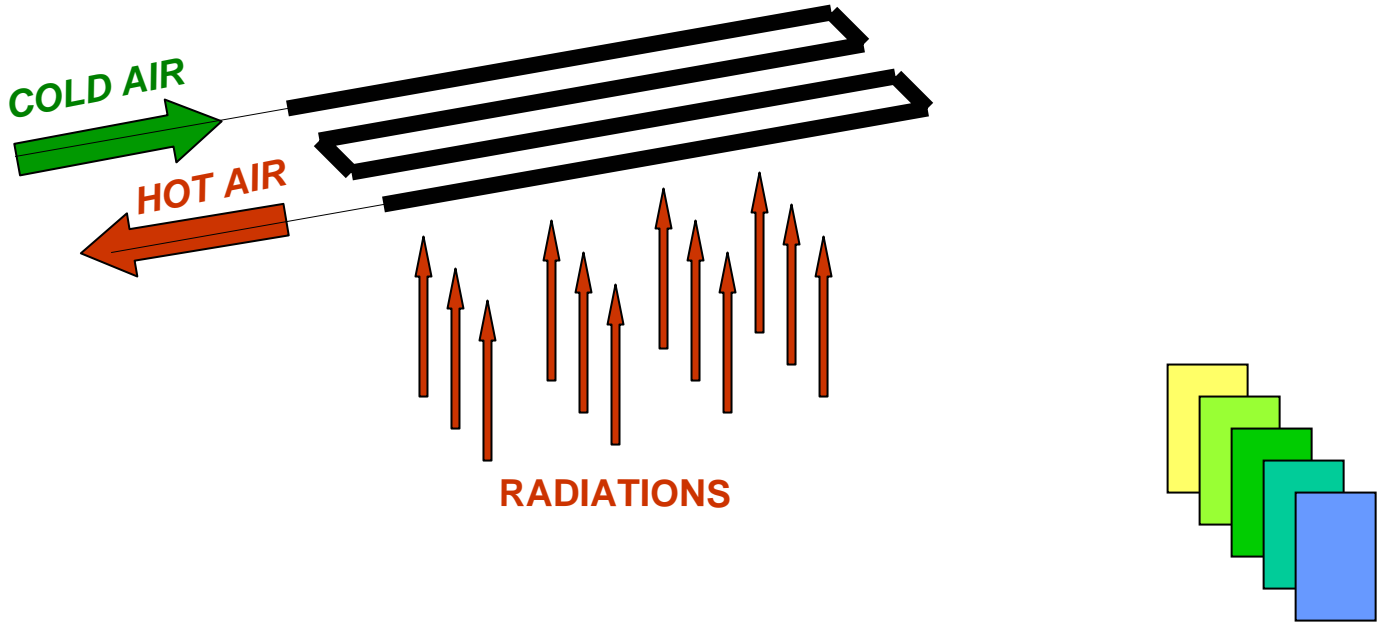
# 1. How Works the Air Heater for Gas Stove



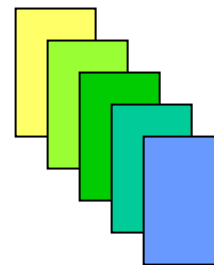
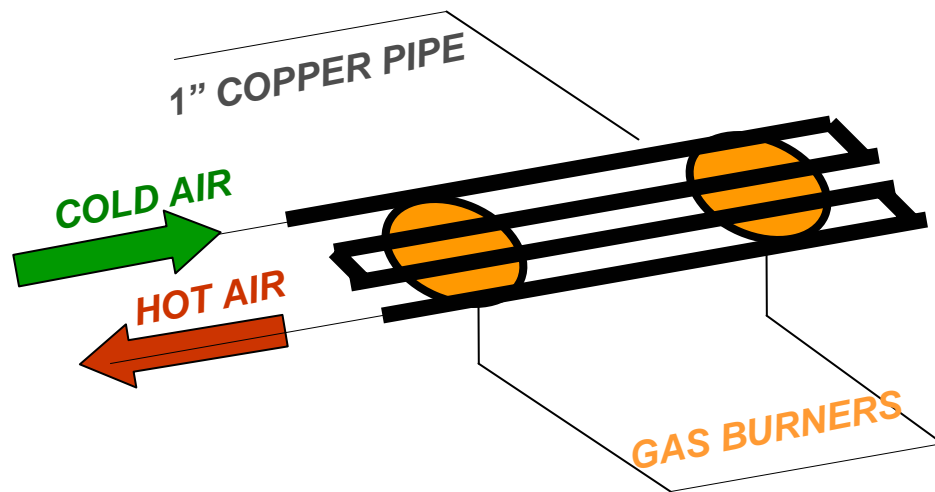
## 2. How Works the Air Heater for Gas Stove



### 3. How Works the Air Heater for Gas Stove



# 4. How Works the Air Heater for Gas Stove



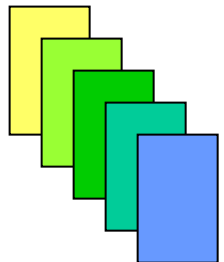
## **-You can afford heating system failures or electrical blackouts:**

With 12,000-17,000 BTU/hour you will be able to heat up to 600-700 SQFT .

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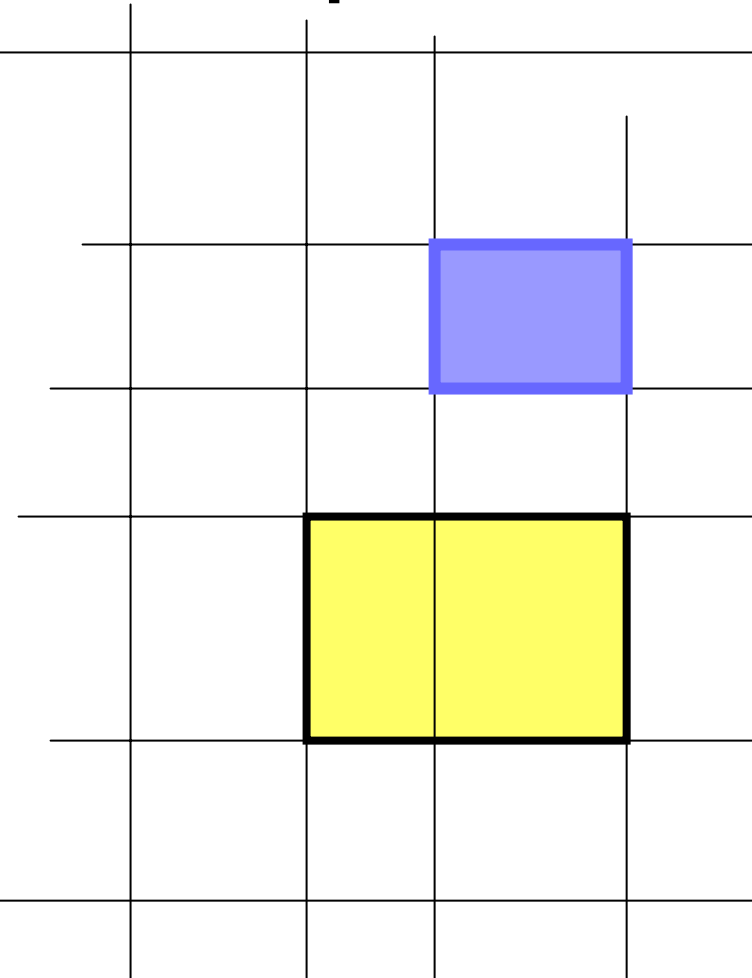
**-In only 3 minutes you have 80% of the maximum power!!!!**

Is very useful for vacation apartment/houses usually not continuously heated; with any traditional system you need hours to heat up the apartment/house.



**FAST, POWERFUL, ECONOMIC**

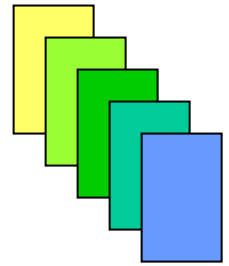
**The Hot Air Heater for gas stove can generate 4-4.5 Kw of hot air in a very fast way, and can heat, with a duty cycle 30-35% a surface of 500-600 sqft .**







With only 15 lbs of weight you have a safety system against electrical blackouts and heating system failure; **because of the high temperature the machine cleans the air from bacteria and viruses**





**Less Radiations and More Convection:**  
With High air speed + High temperature  
exchange surface

### Hot Air Generator for gas stove

(Convection energy)/(Convection Energy + Radiating Energy) versus Air Speed in the Heat Exchanger

