

Contact : [ludovic.emanuely@croissancepeace.org](mailto:ludovic.emanuely@croissancepeace.org)

Tel : +33 6 80 26 97 19

# DÉSIRÉE CERISE

The mobile power generator



INPI patent n° 18 71110

- **Today, 600 million Africans still have no access to electricity, and almost a billion suffer daily power cuts.**
- **To meet this need, Croissance PEACE has created and patented a more nomadic electricity generator: “Désirée”.**
- **This back-up device is capable of instantly and silently producing 100 to 150 W of clean energy using muscle power (arms, legs, animals), whatever the weather conditions.**

# **SUMMARY**

---

- 1 Technical specifications**
- 2 Example of daily use**
- 3 Improvements and development**

1

# Technical specifications

## Mobile

Designed as a carry-on suitcase weighing less than 9kg, H30 x L30 x W30 (cm).

Easy to transport (back, hand, wheeled)

## Simple and rustic

Miseasy and instant implementation

Operational and compatible with any environment and any terrain.

Easy to repair, spare parts available locally.

## Power and connection

Through muscular action :

- Generates 230V/50 Hz and 12V voltage
- 230V/50 Hz plug
- 12V plug
- Standard USB plug

## Efficient

Integration of a battery which, when fully charged, enables service continuity during short breaks.

3

# Example of daily use

Can be used during long power cuts

Can recharge 6 mobiles or 3 laptops (simultaneously)

Lighting for night markets, hospitals, offices...

To power small appliances (maximum 150W)

Recommended for isolated locations (villages, expeditions)

Battery charging (including car)

Supplement for voltaic or wind-powered equipment

Switch on a TV consuming no more than 150W



4

# IMPROVEMENTS AND DEVELOPMENT

Reasonable improvements achievable in a short space of time / major improvements under development.



## ***WEIGHT AND SPACE SAVINGS***

Use lighter materials and make the device more compact.



## ***TRANSPORT FACILITATION***

Make the system breakable and divide into several bags.



## ***INCREASE IN PRODUCTION***

Coupling with photovoltaics / combination of several “Désirée” for improved performance



## ***PROTECTION AND STABILITY***

Increased protection against water and sand / creation of a “network connection kit” for safe use. No risk of explosion or danger of use.