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SOLAR-CHARGER ACCESSORIES

My green business is about the solar energy and fashion. You may think, what are these two could have done to each other. I can tell you, I want to create a line of fashionable, stylish and most importantly, environmentally friendly accessories: watches / pendant-chargers for cell phones or any other electronic devices with solar pannells on them.

They're going to be available for wide range of people and less costly. Our products have no age limits; our clients will be able to choose the design of their accessories themselves.

Nowadays, environmental problems are the most burning for the society. The human race is at the brink of a self-created disaster. Nuclear pollution badly damages the nature, air, water and land. People should use natural resources in a rational way and look for alternative sources of energy such as wind and solar ones. All energies on the planet - wind and solar are somehow powered by the Sun [1].

The Sun is the nearest star to the Earth. To reach the nearest star by aircraft takes roughly 20 years but the light from the Sun reaches the Earth around 8 minutes. In one hour the Sun emits so much energy that is enough to provide our planet almost for a year [2]. So then, let's see, there are 7 billion people in the planet and 6.8 billion are using mobile phones some of them have even two or three ones [3].

The life of modern man is inconceivable without the use of multiple devices and gadgets, which are based on consumption. At first glance it seems that it is harmless consumption. There are nearly 15 billion gadgets that consume more than 600 billion KW / h of electricity during recharging [4]. This energy is mainly comes from coal, oil and natural gas - all major contributors to huge carbon dioxide emissions into our atmosphere, and increase the pollution of the environment.

Everyone knows that inexcusable situation when being in the city center in emergency case to see the phone charging indicator showing the zero level. We all get anxious when the battery levels on our phones and laptops are low. We always face the situation when we have just charged the phone and it comes out very quick.

It is known that the amount of gadgets produced fast growing around the world, and by 2050 their number will reach 500 billion ones [5]. If in the nearest future we don't find new kinds of energy, finally, the electrical power energy is going to be finished completely and will be difficult to cope with the problem of feeding these devices [6].

But, since now, there is no need to worry. I'm going to create a line of stylish, convenient, durable and, moreover, eco-friendly solar-charging accessories. Watches and pendants which provide a unique service - allow you to charge your mobile phone with clean solar energy.

Today most of rich and fashion-oriented people tend to buy newest technologies without thinking about materials they are made of, whether they are harmful for their health or not. They don't consider eco-friendly materials seriously enough!

Solar cells convert the sun's energy into electricity, which is then stored in rechargeable batteries. Because of these batteries your accessories can still pump out energy even when it's raining or snowing, or there is no sun, at night or if you're standing in the shade.

Special mini-chargers for all types of mobile devices will be provided and will be given in a box with an accessory itself. Just plug in, press the button and you can continue doing your daily routine work, chatting, going out, cleaning the house or playing video games.

We don't want to do boring and typical product but fashionable one, keeping up with time and the best features according to dynamic lifestyle of the present youth. The wire on which the charge will be installed inside the watchbands material. We will have a variety of different kind of strips.. Material of watchbands and strips will be made of ecologically friendly and natural products [7]. Also some mineral crystal, diamonds can be added.

1. Fish scales - the use of such exotic materials is clearly beneficial to watch design which is extremely durable, supple texture, natural and wouldn't cost much. Girls will be thrilled with its elegance and will look rich.



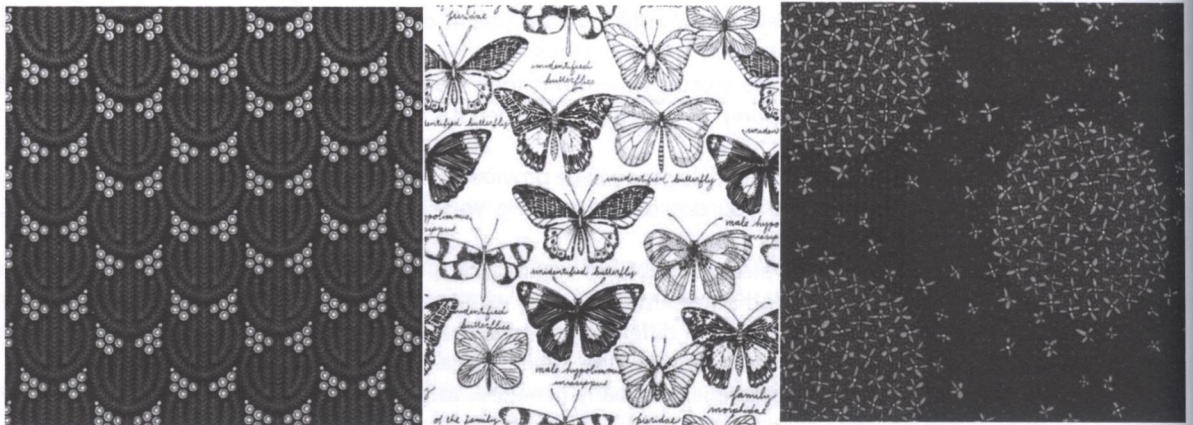
1. <http://thefishleather.co/what-is-fish-leather/>

2. Patented "Tyvek" - watchbands made of Tyvek (non-woven insulation material from DuPont) can boast with its original colors, high water resistance and again at affordable price. Here is the shoes which are made with Tyvek:



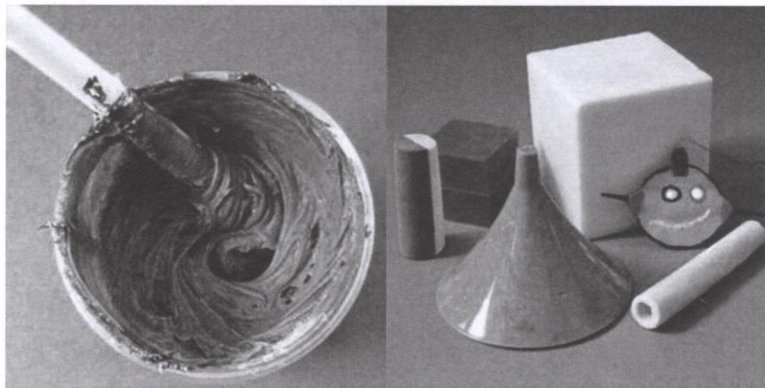
2. <http://www.unstitchedutilities.com/eco-friendly>

3. Organic cotton-based accessories made of organic cotton points out on its refined girlish style that will delight you much. It will look especially well on the wrist or the neck of a young girl.



3. <http://www.honeybegood.com/>

4. Corn-based rubber substitute - the model made of the «corn» rubber, despite some massiveness, at time of expiration will be completely decomposed in the Earth in 365 days but it's not the reason to upset because old watchbands and strips can be removed and the new ones can be inserted instead. Therefore, you are able to choose your own design of devices.



4. <http://www.solidsmack.com/fabrication/oogoo-make-your-very-own-diy-sugru-substitute-with-silicone-and-corn-starch/>

In conclusion, the most important thing we should do is to open our eyes and act immediately. The main target of my business project is to show people that it's not that hard to lead an environmentally clean life. Ecology is not only about getting rid of dirtiness and rubbish it's not that boring as it seems. Ecology is everywhere, even in fashion. The Earth is our home and we should protect and save it for ourselves and for the future generations.

References:

1. http://www.ucsusa.org/clean_energy/our-energy-choices/renewable-energy/how-solar-energy-works.html#.VP8cz_msUSY
2. <http://www.universetoday.com/15021/how-long-does-it-take-sunlight-to-reach-the-earth/>
3. <http://qz.com/179897/more-people-around-the-world-have-cell-phones-than-ever-had-land-lines/>
4. <http://www.forbes.com/sites/christopherhelman/2013/09/07/how-much-energy-does-your-iphone-and-other-devices-use-and-what-to-do-about-it/>
5. <http://www.businessinsider.com/the-world-in-2050-2014-6?op=1>
6. <http://www.sciencemuseum.org.uk/onlinestuff/snot/will%20we%20ever%20run%20out%20of%20electricity.aspx>
7. <http://www.popsugar.com/fitness/Bamboo-Organic-Cotton-Other-Sustainable-Fabric-Facts-15849401>