Illuminated fabric









O) CC BY-NC-SA 4.0



The problem

Glowing garments are very expensive, hard to find and work with.

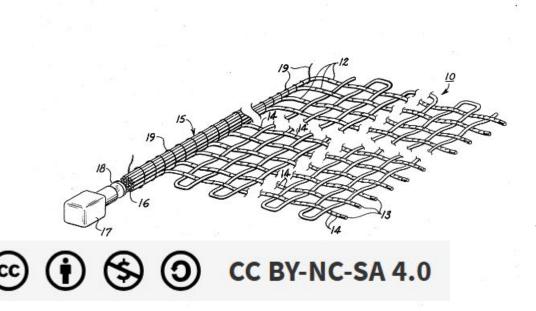
The idea

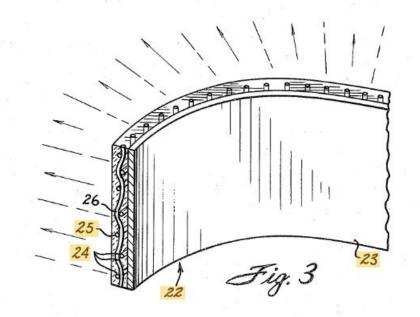
Build a low cost glowing fabric using fiber optics. © (*) (*) (*) (*) (*) (*) (*)



What is out there?

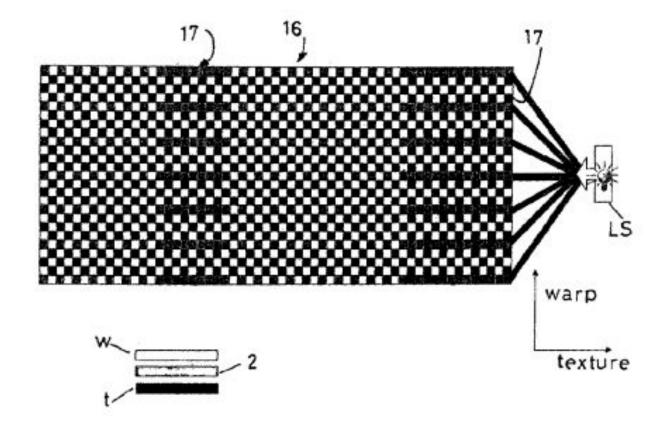
Patent US 4,234,907 Light emitting fabric by Maurice Daniel, 1979







Patent W002/12785 Textile product with illuminated fibres, article made therefrom and production method of the same by Luminex S.p.A., 2002





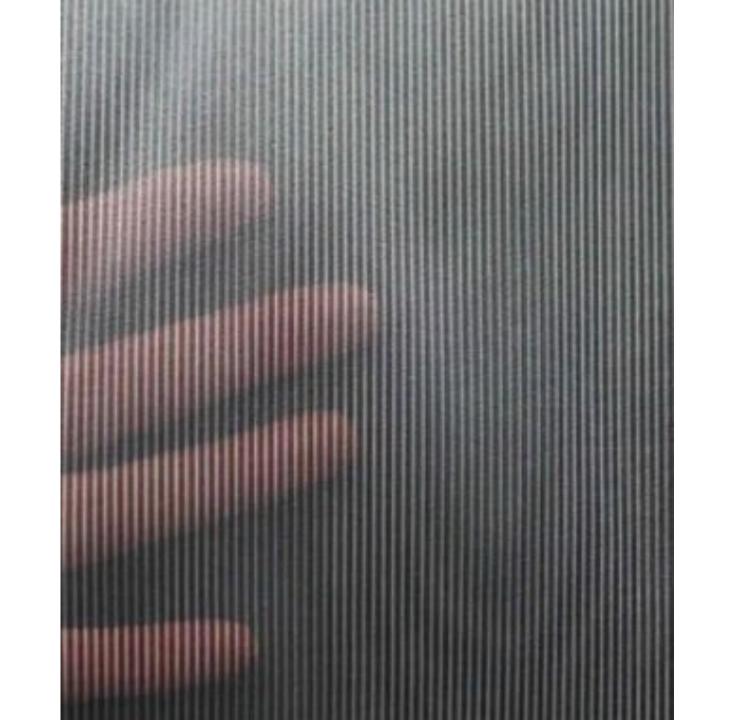




CHRYSAORA DRESS €8.802,00

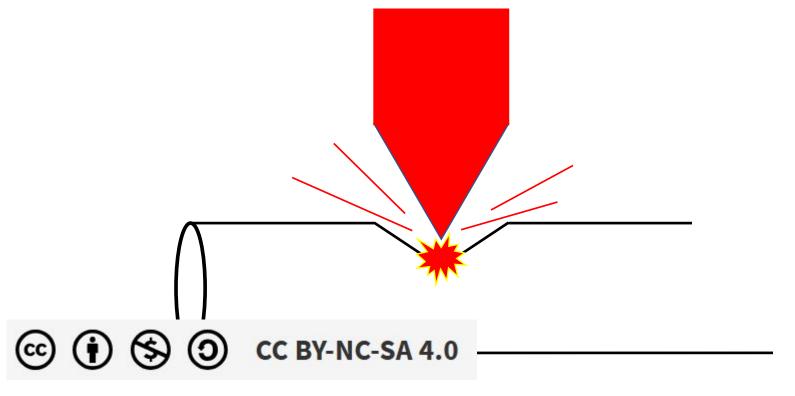
NOCTULIA DRESS €12,990,00

Lumigram.it

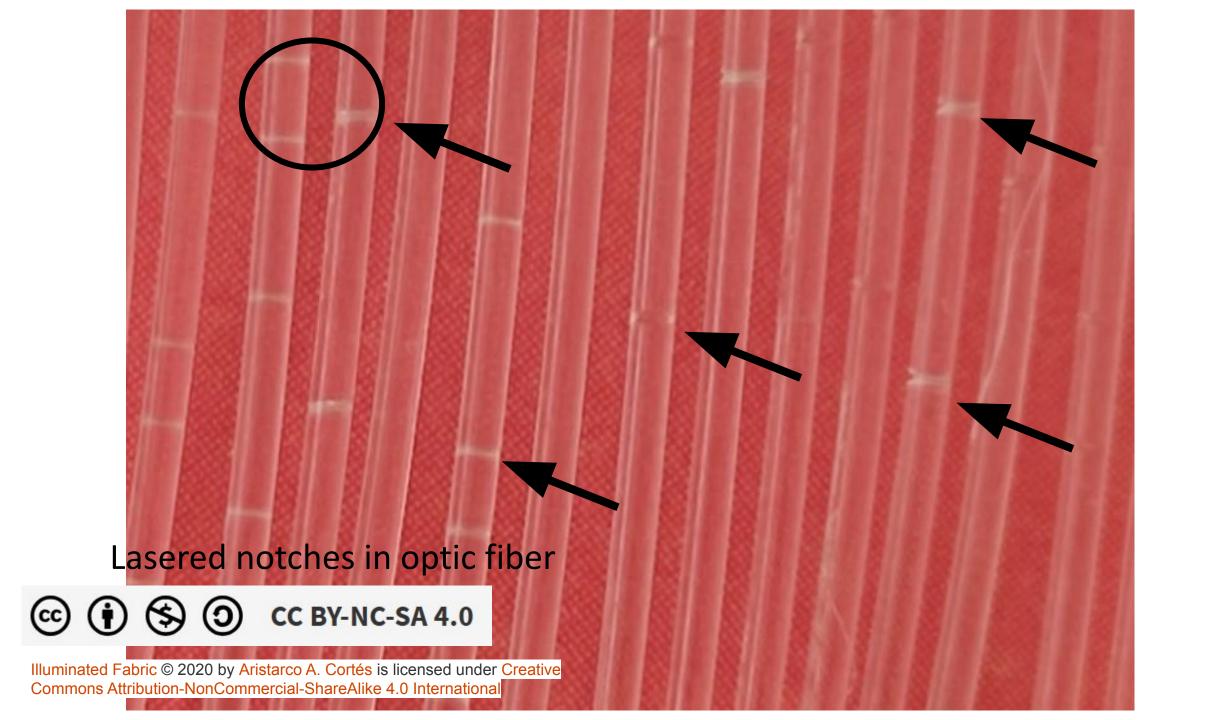


The main problem is how to let light scape from the optic fiber

The solution? Make notches to the optic fiber lo let the light scape How to make the notches? **Laser'em**

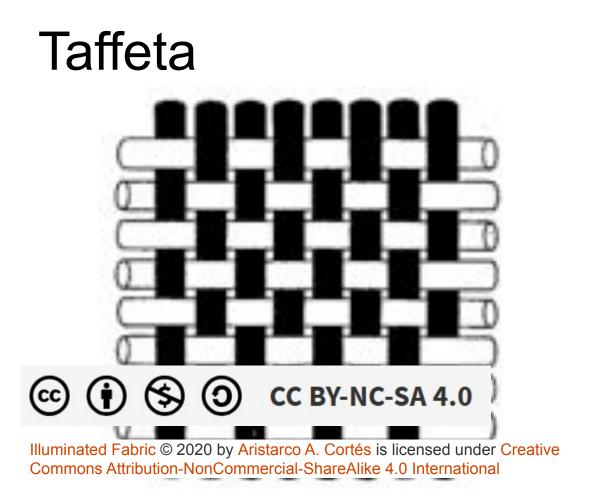


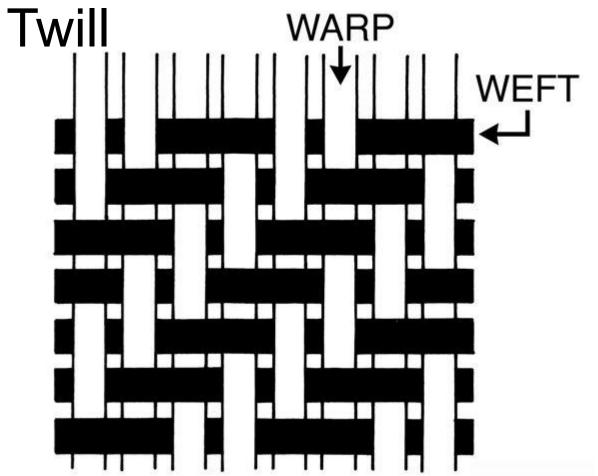






For the fabric, we decided on a combination of two weaver taffeta and twill, so that light could escape through the through untaken by the Taffeta







Weave construction

