

Leather Fabric and a Process for its Preparation

Technical details:

This technology/invention is about the development of 'Novel and Exotic Leather Fabric from Fish Skin'. It is a new kind of leather fabric made from waste fish skins which are thrown in garbage after filleting. The waste fish skins are processed into a leather fabric by a novel process for which patent has been filed in the Indian Patent Office. The skin of the fish used in this invention has a larger surface area, is thick enough for leather fabric development, and the raw material is available at zero cost at present. The leather fabric so developed is thick enough for leather articles and accessories development and possess appreciable physical properties like tensile strength, tear strength and elongation at break which are at par with Bureau of Indian Standards.

The advantages of this technology/invention are:

1. The fish skin used in the present invention are the waste fish skins that would otherwise be thrown away in the garbage, so waste is utilized.
2. The process can be used to develop leather from any other fish species also.
3. The 'Novel and Exotic Leather Fabric from Fish Skin' so developed can be used to produce various leather apparels, articles and accessories like jackets, trouser pockets, purse, gloves, belts, watch straps, keychains, clutch, book jacket, table mats, book mark, embroidery work designer works etc.
4. Every piece of this leather fabric is unique in itself and has great texture, due to the scale pattern of fishes.
5. The invention follows 'use waste as a resource' strategy of Circular Economy.
6. The leather fabric is produced from skins of fishes which were neither farmed for their skins nor poached, rather reduces pollution and sustainably protects ecosystems.
7. It is economical and lowers carbon footprint
8. The technology so developed has potential entrepreneurial opportunities.

