

Solar filters for energy-saving windows



Description

This invention is related to solar filters based on thin films of iron oxide, copper and sulfur. When deposited on glass windows, such filters generate savings in energy consumption for heating and air conditioning. This technology has competitive advantages resulting in lower costs of windows. According to estimates the filters allow saving 24% of energy (180 MJ / m²) in Mexicali, and 16% in Mexico City.

Application

The potential application of this technology is the construction industry by incorporating filters in the windows of all types of buildings (dwellings, office buildings, industrial buildings, etc.), even in places where the climate is temperate.

Stage of Development

Experimental prototype

IP Status

Patent application No. MX/a/2010/006793

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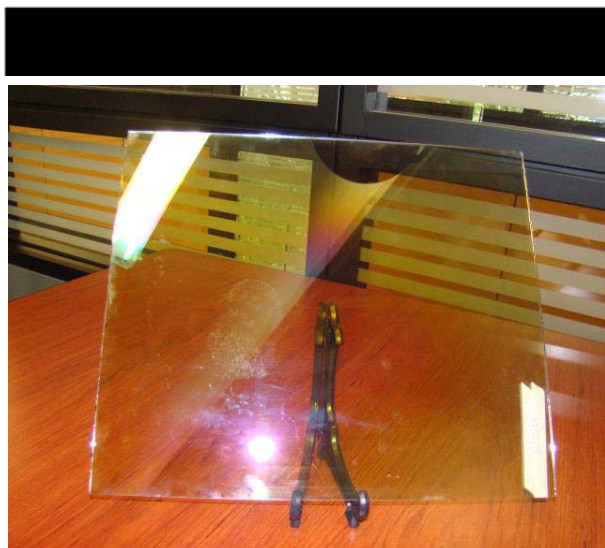
Energy
Saving

Market potential

It is estimated that the global market value of films for solar control on windows to double in the next 4 years, reaching 863 million dollars in 2018.

Transferring conditions

- ✓ Technological development agreement (optional)
- ✓ Licensing (includes front payment and royalties)



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