

Title (en)

INSECT SCREEN WITH IMPROVED OPTICAL PROPERTIES

Title (de)

INSEKTENABSCHIRMUNG MIT VERBESSERTEN OPTISCHEN EIGENSCHAFTEN

Title (fr)

TOILE MOUSTIQUAIRE PRESENTANT DES PROPRIETES OPTIQUES AMELIOREES

Publication

EP 1623062 A4 20060802 (EN)

Application

EP 04749670 A 20040331

Priority

- US 2004010165 W 20040331
- US 40510403 A 20030331
- US 67765303 A 20030930
- US 77953604 A 20040213

Abstract (en)

[origin: WO2004088078A2] An insect screen comprising fibers in a warp and fill construction defining openings having a warp dimension and a fill dimension, at least one of the warp and fill dimensions being less than about 0.05 inches and the other of the warp and fill dimensions being larger than about 0.03 inches, the fibers having a diameter of equal to or less than about 0.007 inches. The present invention is an improved insect screen designed to serve the primary purpose of keeping out insects and pests while maximizing visual clarity, light transmission, and airflow. In another aspect, the invention is an insect screen made from fibers in a warp and fill construction defining openings having a warp dimension and a fill dimension, both of said warp and fill dimensions being equal to or less than about 0.04 inches and equal to or larger than about 0.01 inches, said fibers having a diameter of equal to or greater than about 0.002 inches and less than about 0.007 inches. In another aspect, the invention is an insect screen with improved durability that is free from macroscopic permanent deformation when subjected to a blunt instrument deformation test of at least 5 lbs. and has a total light transmission of at least 65%. The inventive insect screen comprises fibers in a warp and fill construction which define openings having a warp dimension and a fill dimension, both of said warp and fill dimensions being equal to or less than about 0.06 inches and equal to or larger than about 0.01 inches, the fibers having a diameter less than about 0.007 inches.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

- No further relevant documents disclosed
- See references of WO 2004088078A2

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DOCDB simple family (publication)

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