

Title (en)

OPTICAL FILMS HAVING AT LEAST ONE PARTICLE-CONTAINING LAYER

Title (de)

OPTISCHE BESCHICHTUNG MIT WENIGSTENS EINER SCHICHT, DIE PARTIKEL ENTHÄLT

Title (fr)

FILMS OPTIQUES COMPORTANT AU MOINS UNE COUCHE CONTENANT DES PARTICULES

Publication

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Application

EP 00959297 A 20000822

Priority

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- US 49802800 A 20000204

Abstract (en)

[origin: WO0122130A1] An optical film includes a reflective polarizing element and a particle-containing layer. The reflective polarizing element substantially reflects light having a first polarization state and substantially transmits a second polarization state. The particle-containing layer is disposed on the reflective polarizing element and in a same optical path as the reflective polarizing element. The particle-containing layer is configured and arranged to transmit light and includes a plurality of particles that roughen an exterior surface of the optical film. Preferably, using the optical film in an optical device does not substantially reduce the gain advantage of the optical device when compared with an optical device utilizing the same optical film without particles in the surface layer. Also described are optical devices using the optical film and methods of making and using the optical films.

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IPC 8 full level

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Citation (search report)

See references of WO 0122130A1

Citation (examination)

- EP 1211526 A1 20020605 - NITTO DENKO CORP [JP]
- EP 1039333 A1 20000927 - CITIZEN WATCH CO LTD [JP]

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