

Title (en)

Assembly for improving visibility in the dark and method of producing the assembly

Title (de)

Zusammenstellung zur Verbesserung der Sichtbarkeit in der Dunkelheit und Herstellungsverfahren der Zusammenstellung

Title (fr)

Ensemble pour l'amélioration de la visibilité pendant l'obscurité et procédé de production dudit ensemble

Publication

**EP 2364863 A1 20110914 (EN)**

Application

**EP 11154474 A 20110215**

Priority

NL 2004360 A 20100308

Abstract (en)

The present invention relates to an assembly of a substantially transparent film (2,6) of plastic material and an adhesive layer (4,8) provided on a side of the transparent film in order to render the film self-adhesive. Furthermore, the film contains phosphorescent material which ensures that the film will continue to glow for a certain period of time after having been illuminated. In particular, the assembly here is configured to increase visibility in the dark of one or more images (9) on a surface onto which the self-adhesive film can be applied or has been applied. The invention also relates to a method for producing an assembly. The method comprises combining plastic material and phosphorescent material, producing a substantially transparent phosphorescent film (2,6) from the combined material and applying an adhesive layer (4,8) to one side of the film.

IPC 8 full level

**B44C 1/10** (2006.01); **B41M 7/00** (2006.01); **B44C 1/17** (2006.01); **B60R 13/02** (2006.01); **G09F 7/02** (2006.01); **G09F 7/12** (2006.01)

CPC (source: EP)

**B44C 1/105** (2013.01); **B44C 1/1737** (2013.01)

Citation (search report)

- [X] US 2006127155 A1 20060615 - BRICKEY CHERYL J [US], et al
- [X] FR 1191576 A 19591020 - CIDITI, et al
- [A] WO 8704555 A1 19870730 - WALKER JOSEPH L
- [A] WO 03054099 A2 20030703 - 3M INNOVATIVE PROPERTIES CO [US], et al
- [A] DE 20012900 U1 20010104 - SEIDENBUSCH RICHARD [DE]
- [A] US 2004200564 A1 20041014 - KINSEY VON ADONIRAM [US], et al
- [A] US 2652651 A 19530922 - LA BARBERA MANNIE
- [A] WO 02062591 A2 20020815 - QUANTUM COLOR GRAPHICS [US]
- [A] GB 2312645 A 19971105 - DAVIS BORIS SIEGMUND [GB], et al

Cited by

CN108026413A; US2018182268A1; WO2017045046A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**EP 2364863 A1 20110914**; NL 2004360 C2 20110909

DOCDB simple family (application)

**EP 11154474 A 20110215**; NL 2004360 A 20100308