US009638384B2

(12) **United States Patent**
Japs et al.

(10) **Patent No.: US 9,638,384 B2**
(45) **Date of Patent: *May 2, 2017**

(54) **PLASTIC COVER LENS OF A HEADLAMP WITH DECORATIVE TRIM DISPOSED ON THE EXTERIOR SURFACE**

(71) Applicant: **Hella KGaA Hueck & Co.**, Lippstadt (DE)

(72) Inventors: **Eudard Japs**, Herford (DE); **Lars Tillmann**, Lippstadt (DE)

(73) Assignee: **Hella KGaA Hueck & Co.**, Lippstadt (DE)

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 60 days.

This patent is subject to a terminal disclaimer.

(21) Appl. No.: **14/599,032**

(22) Filed: **Jan. 16, 2015**

(65) **Prior Publication Data**

US 2015/0204501 A1 Jul. 23, 2015

(30) **Foreign Application Priority Data**

Jan. 21, 2014 (DE) 10 2014 100 606

(51) **Int. Cl.**
F21S 8/10 (2006.01)

(52) **U.S. Cl.**
CPC ***F21S 48/155*** (2013.01); ***F21S 48/1208*** (2013.01)

(58) **Field of Classification Search**
CPC F21V 17/16; F21S 48/155; F21S 48/1208; F21S 8/1283; B60Q 1/18
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

2,734,129	A *	2/1956	Kahla	B60Q 1/18	359/892
4,237,523	A *	12/1980	Moote	F21S 48/1131	362/2
5,180,219	A *	1/1993	Geddie	F21S 48/1233	362/267
2015/0062952	A1*	3/2015	Lessard	F21S 48/1208	362/549

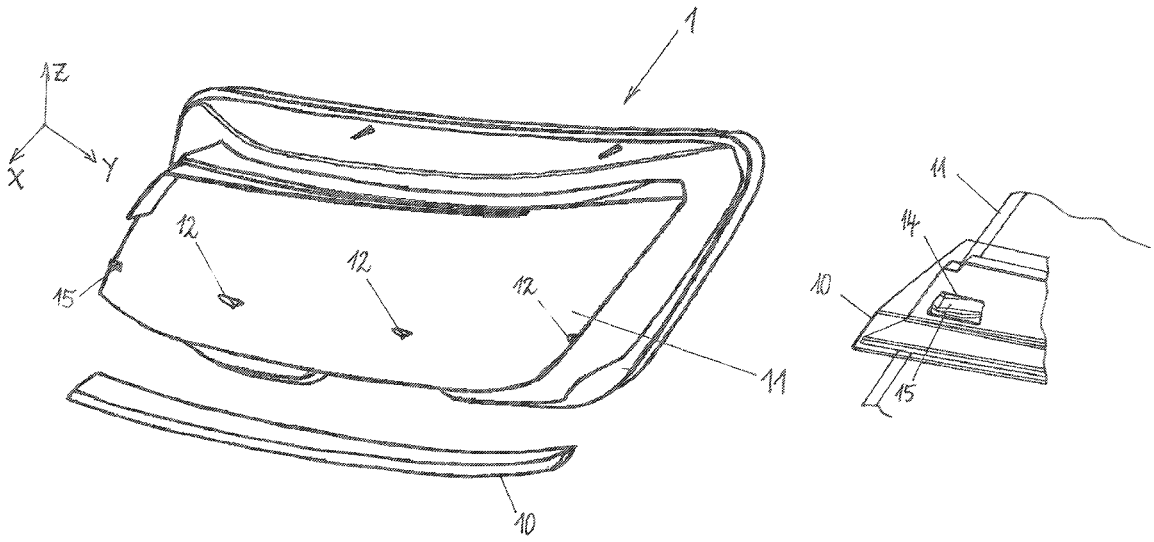
FOREIGN PATENT DOCUMENTS

DE	1019622	B	11/1957
DE	102004026467	A1	12/2005
DE	102004025232	A1	1/2006
DE	102010056412	A1	6/2012
DE	102011050163	A1	11/2012
DE	10 2012 102 922		10/2013
DE	102012102922	A1	10/2013

* cited by examiner

Primary Examiner — Robert May
(74) *Attorney, Agent, or Firm* — Husch Blackwell LLP

(57) **ABSTRACT**

An assembly of a decorative trim on the exterior surface of a plastic cover lens of a headlamp. Locking means are molded on the outer side of the plastic cover lens, which extend out in a transverse direction (Y) pointing at an angle from the surface of the plastic cover lens. The decorative trim comprises locking means receivers into which the locking means engage, and at least one snapping means on the decorative trim and one complementary snapping means are provided on the plastic cover lens for securing the decorative trim against the transverse direction (Y).

8 Claims, 2 Drawing Sheets