

UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

BMW OF NORTH AMERICA, LLC and
BMW MANUFACTURING CO., LLC,

Petitioners,

v.

INNOVATIVE DISPLAY TECHNOLOGIES LLC,

Patent Owner.

Inter Partes Review of U.S. Patent No. 6,886,956
Case No.: *To Be Assigned*

**PETITION FOR *INTER PARTES* REVIEW OF
CLAIMS 1, 4, 5, 6, 9, AND 31 OF U.S. PATENT NO. 6,886,956**

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March 24, 2015

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PETITIONERS' EXHIBIT LIST

Description	Exhibit #
U.S. Patent No. 6,886,956	1001
File History of U.S. Patent No. 6,886,956	1002
Declaration of Dr. Michael Lebby	1003
Unexamined German Patent Specification DE 41 29 094 to Decker (with certified translation)	1004
U.S. Patent No. 5,165,772 to Wu	1005
Japanese Utility Model Application Publication No. JP H5-25602 to Katase (with certified translation)	1006

Petitioners BMW of North America, LLC and BMW Manufacturing Co., LLC (the “Petitioners”) hereby respectfully petition for *inter partes* review (“IPR”) of claims 1, 4, 5, 6, 9, and 31 (collectively, “Challenged Claims”) of U.S. Patent No. 6,886,956 (“the ’956 patent”) (Exhibit (“Ex.”) 1001), pursuant to 35 U.S.C. §§311-19 and 37 C.F.R. §42.

I. GROUNDS FOR STANDING UNDER 37 C.F.R. §42.104(a)

Petitioners certify that the ’956 patent is available for *inter partes* review and that Petitioners are not barred or estopped from requesting an *inter partes* review of the patent.

II. IDENTIFICATION OF CHALLENGE AND RELIEF REQUESTED

A. The ’956 Patent

The ’956 patent, entitled “Light Emitting Panel Assemblies for Use in Automotive Applications and the Like,” issued on May 3, 2005, from U.S. Patent Application No. 10/298,367 (“the ’367 application”), which was filed November 18, 2002. The ’367 application is a continuation of Application No. 10/005,090 (filed December 5, 2001), now U.S. Patent No. 6,508,563, which is a continuation of Application No. 09/703,088 (filed October 31, 2000), now U.S. Patent No. 6,367,940, which is itself a continuation of Application No. 09/167,949 (filed October 7, 1998), now U.S. Patent No. 6,158,867, which is a division of Application No. 08/585,062 (filed January 16, 1996), now U.S. Patent No.

5,895,115. Accordingly, January 16, 1996 is the earliest priority date to which the '956 patent may be entitled.

1. Overview of the '956 Patent

The '956 patent relates to light emitting panel assemblies for use in automotive applications. *See* '956 patent (Ex. 1001) at 1:19-21. The '956 patent acknowledges that “[l]ight emitting panel assemblies are generally known,” and purports to provide improvements over such known assemblies. *Id.* at 1:24-27.

The '956 patent describes examples of “light emitting panel assemblies 24 [that] are mounted in body panels 25 along the rear, front, and/or sides of a vehicle [23] to provide vehicle running lights or accent lights or to light a logo, step, running board, or other surface area of a vehicle,” as illustrated in Figure 3 (reproduced below). *Id.* at 8:33-41. The '956 patent describes “light extracting deformities,” which appear on one or more sides of a light emitting panel member, and which may be customized to a particular application. *Id.* at 6:23-25 (“The deformities may also be used to control the output ray angle distribution of the emitted light to suit a particular application.”).

According to the patent, “light sources” (9) [highlighted below in red] may be positioned “along the back edges of the panel members 29 [highlighted below in yellow] used to provide running taillights for a vehicle...” *Id.* at 8:63-67. The light sources may be “embedded, potted or bonded in the light transition regions of

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