

Title (en)

IN MOLD ASSEMBLY FOR ACTIVE GRILLE SHUTTER SYSTEM

Title (de)

SPRITZGIESSWERKZEUG FÜR AKTIVEN KÜHLERGRILLVERSCHLUSS

Title (fr)

ENSEMBLE EN MOULE POUR SYSTÈME D'OBTURATEUR DE GRILLE ACTIVE

Publication

**EP 3924204 A1 20211222 (EN)**

Application

**EP 20717742 A 20200322**

Priority

- US 201962822138 P 20190322
- US 201916495594 A 20190919
- US 201962915788 P 20191016
- US 201916704969 A 20191205
- US 2020024107 W 20200322

Abstract (en)

[origin: WO2020214332A1] An active grille shutter system (AGS) that is assembled from modular components, thereby allowing the AGS to be any desired width or height when assembled. This allows for the creation of different sized AGS for different vehicle platforms, while assembling the AGS from a stock of components that is common to each AGS. The invention is also directed to a method of forming a base integrated end cap with moveable vane retainers and a link arm using a two shot molding process.

IPC 8 full level

**B60K 11/08** (2006.01)

CPC (source: CN EP KR)

**B29C 37/0028** (2013.01 - KR); **B29C 45/1679** (2013.01 - KR); **B60K 11/085** (2013.01 - CN EP KR); **B60Y 2410/113** (2013.01 - EP KR);  
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Citation (search report)

See references of WO 2020214332A1

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Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**WO 2020214332 A1 20201022**; CA 3134646 A1 20201022; CA 3134646 C 20230523; CN 113613929 A 20211105; CN 113613929 B 20230901;  
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