

Delphi Automotive PLC: Portfolio Report

Introduction

Delphi Automotive PLC is a UK-based company that designs and engineers a variety of automotive systems and components for original equipment manufacturers (OEMs). It is one of the world's largest automotive parts manufacturers and operates 126 wholly owned manufacturing sites, and 15 technical centres across 32 countries. ^[1]

Delphi has four diversified business segments - Electronics & Safety, Electrical/Electronic Architecture, Powertrain Systems, and Product & Service Solutions. ^[1]

On Dec 6th, 2017, Delphi Automotive spun off its powertrain division into a separate entity called Delphi Technologies, and rebranded everything else under a new corporate name — Aptiv. Aptiv's main focus will be on electronics and other technologies related to autonomous driving. Delphi Technologies will be an automotive powertrain, advanced propulsion and aftermarket solutions provider. ^[1]

This report takes a closer look at the patents held by Delphi Automotive PLC (the original entity before the split). We have restricted the analysis to patents that are currently in force. It includes a portfolio taxonomy and provides insights into various aspects of the overall portfolio.

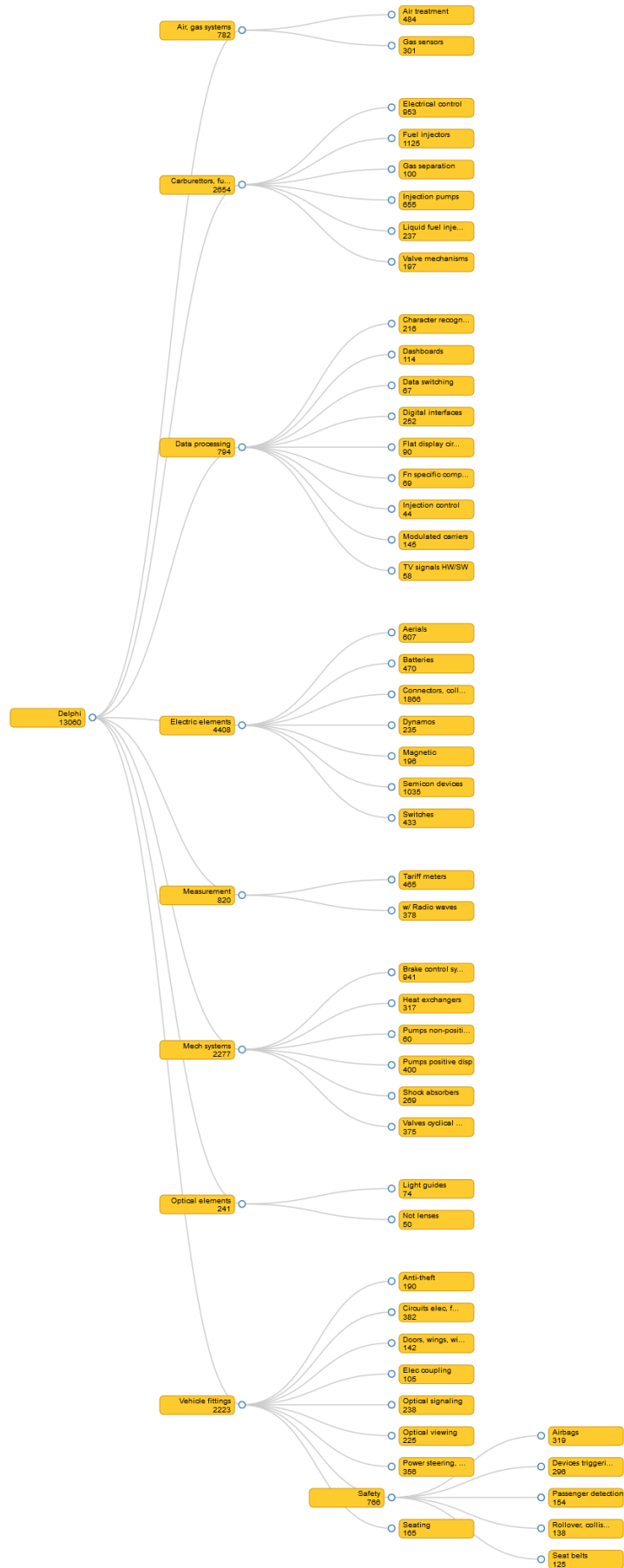
Contents

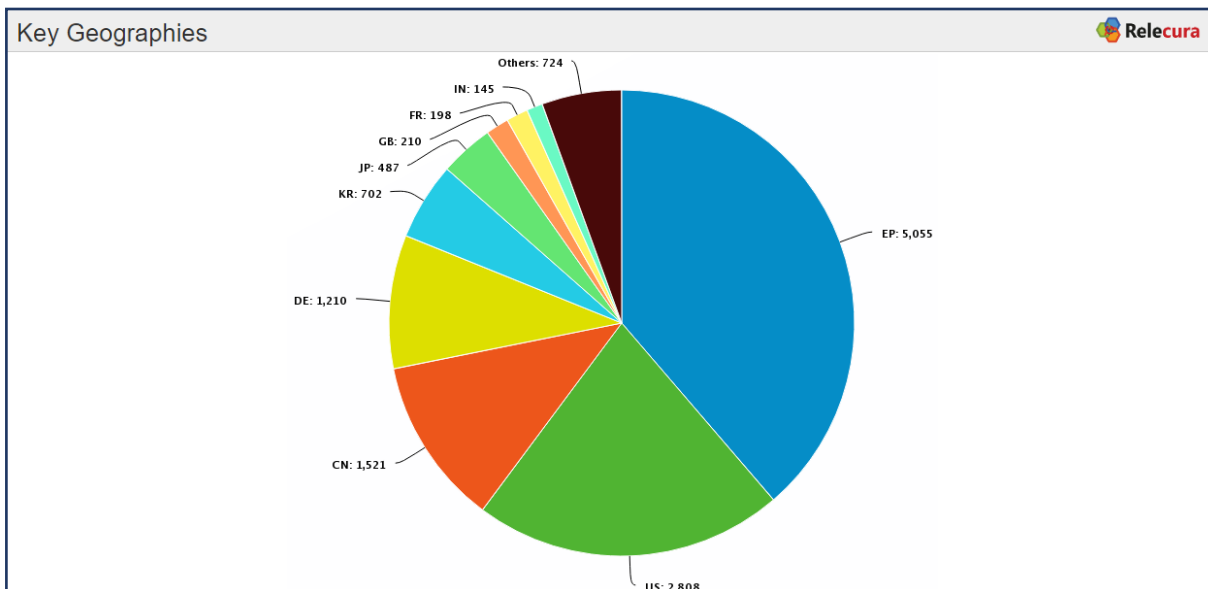
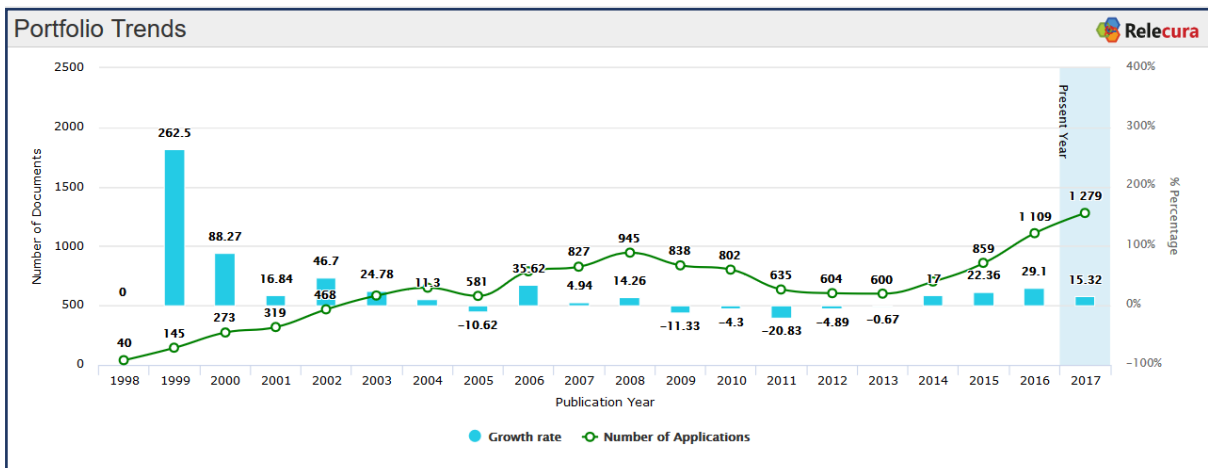
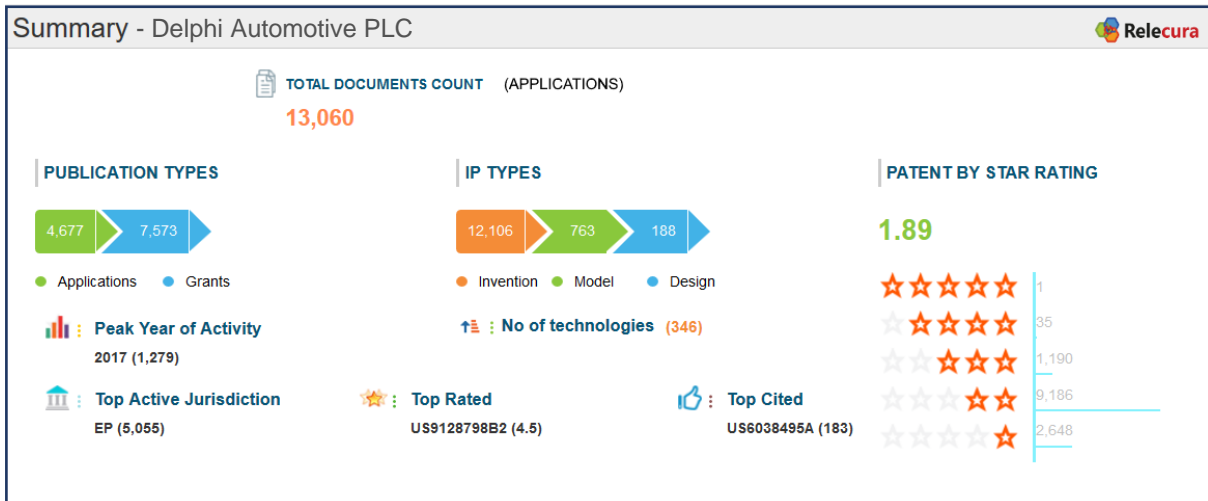
- Taxonomy
- Summary
- Portfolio trends
- Key geographies
- Analysis of key technologies
- Evolution of key technologies
- Evolution of key sub-technologies
- Patent quality
- Key patents
- Top forward citing (FC) assignees
- Technology focus of FC assignees
- Topic Map - Concepts

Sources

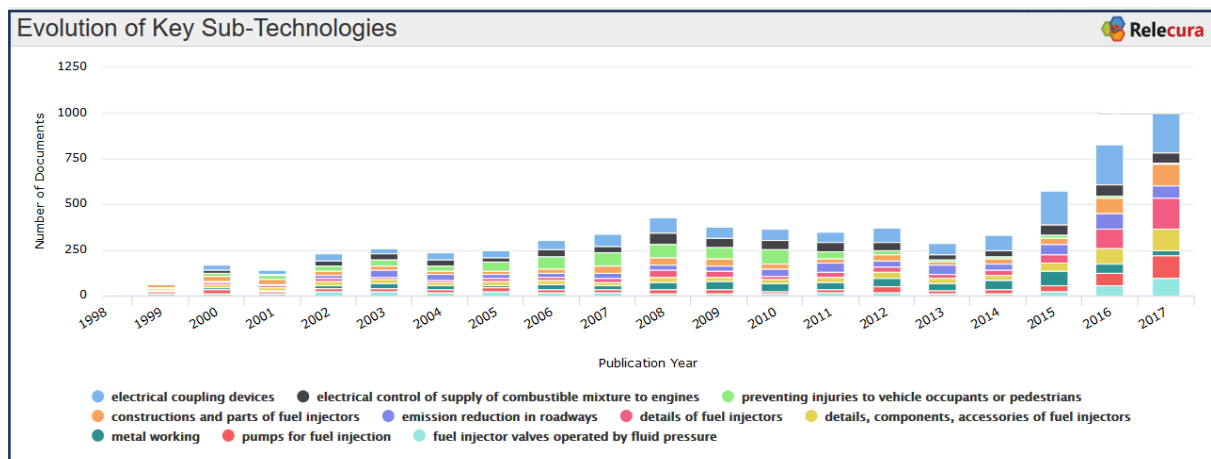
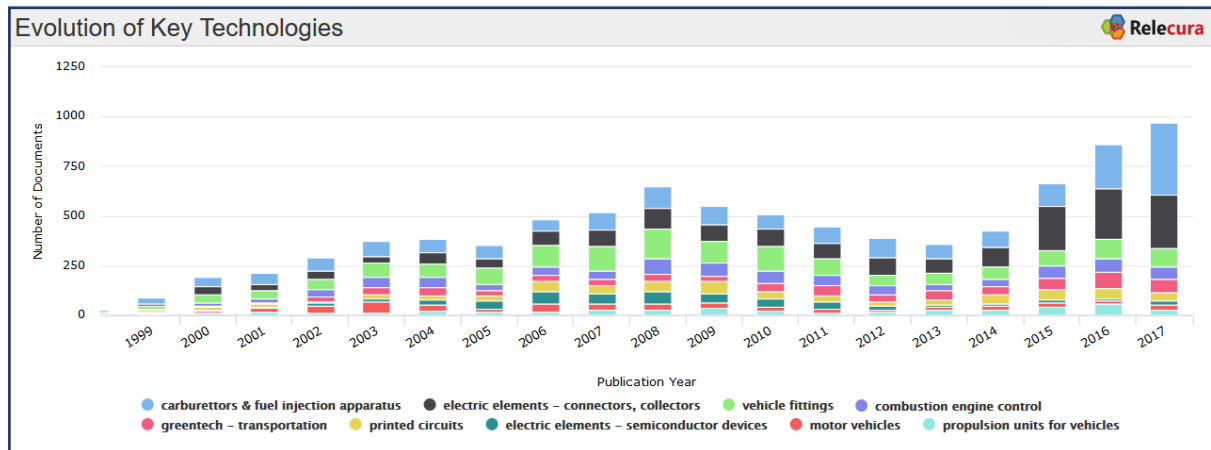
[1. Delphi Automotive \(Wikipedia\)](#)

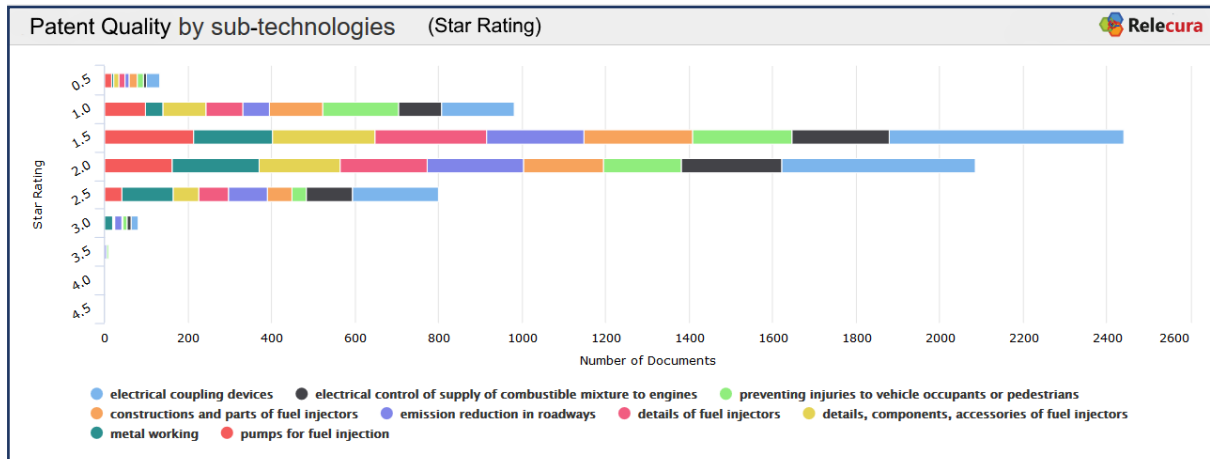
Taxonomy - Delphi Automotive PLC





Technologies	Applications	Grants	Sub Technologies	Geographies
carburetors & fuel injection apparatus	826	964	constructions and parts of fuel injectors (661) , details of fuel injectors (647) , details, components, accessories of fuel injectors (618) , pumps for fuel injection (535) , fuel injector valves operated by fluid pressure (416)	EP (763) , US (302) , DE (175) , JP (147) , CN (132)
electric elements - connectors, collectors	546	1135	electrical coupling devices (1455) , manufacturing, assembling, maintaining, repairing of line connector, current connectors, joining electric conductors (359) , direct electrically-conductive connections between conductors (306) , application specific electric connectors (234) , connectors, couplers and flat or ribbon cables for printed circuits (206)	EP (541) , US (497) , CN (280) , KR (103) , JP (101)
vehicle fittings	442	961	preventing injuries to vehicle occupants or pedestrians (667) , electric or fluid circuits for vehicles (382) , vehicle anti-theft systems (184) , other arrangements for holding or mounting articles in vehicles (147) , safety belts or body harnesses in vehicles (123)	EP (599) , US (271) , DE (223) , CN (137) , KR (102)
miscellaneous technologies	324	726	metal working (588) , machine element or mechanism (189) , electrical coupling devices (133) , manufacturing, assembling, maintaining, repairing of line connector, current connectors, joining electric conductors (132) , details of pcb's (117)	EP (453) , US (343) , CN (85) , DE (82) , JP (62)
combustion engine control	297	514	electrical control of supply of combustible mixture to engines (704) , emission reduction in roadways (327) , input parameters for engine control (204) , controlling engines by sensing internal and external conditions (113) , electrically operated fuel injector (97)	EP (348) , US (221) , DE (105) , JP (60) , CN (45)



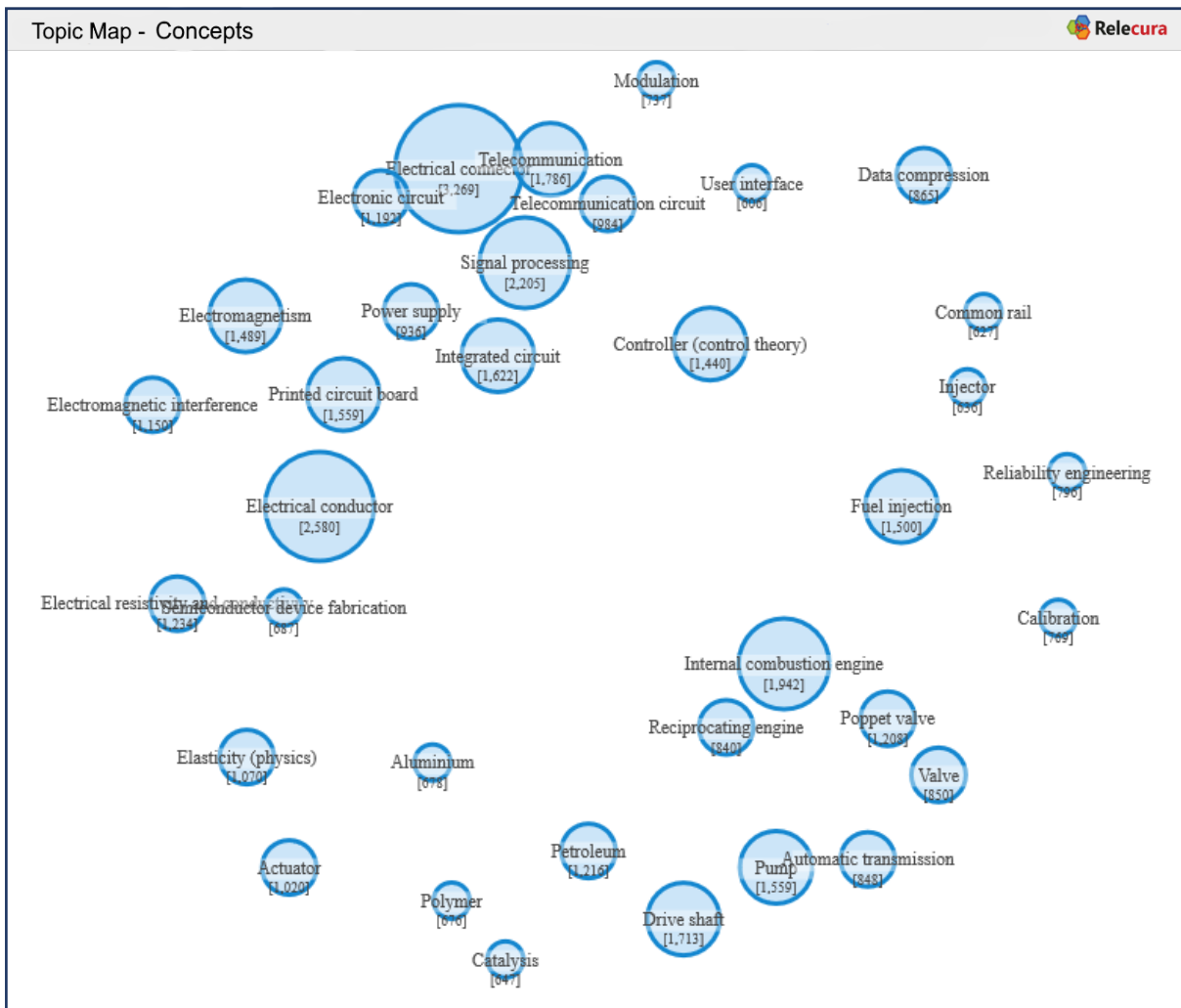
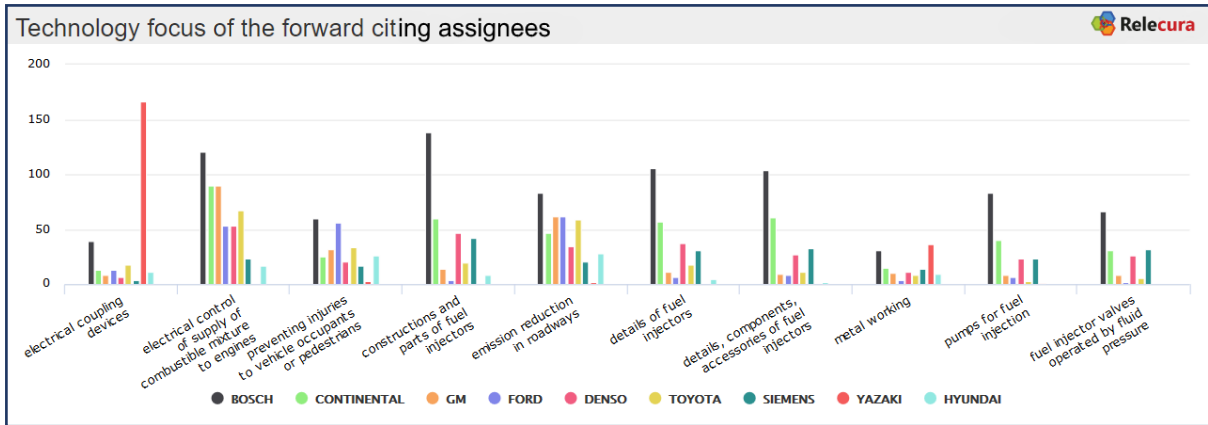


Key Patents in portfolio

Publication No.	Title	Inventor	Filing Date	Star Rating	#Fwd Citations
US9128798B2	Module updating device	Benjamin J. Hoffman, Dan Umbach, Walter A. Dorfstatter, Brian Withun	2014-07-31	4.5	33
US8042631B2	Electric vehicle having multiple-use APU system	Malcolm James Grieve, John A. MacBain, Jean J. Botti	2006-03-08	4.0	137
US8813061B2	Module updating device	Benjamin J. Hoffman, Dan Umbach, Walter A. Dorfstatter	2013-10-16	4.0	52
US20160231746A1	System And Method To Operate An Automated Vehicle	Lawrence Dean Hazelton, Craig A. Baldwin, Robert James Myers, James M. Chan, Patrick Mitchell Griffin	2015-12-30	4.0	13
US7359671B2	Multiple channel wireless communication system	Lawrence Richenstein, Michael A. Dauk, Robert J. Withoff	2005-11-04	4.0	98

Top Forward Citing Assignees

Assignee	Number of documents
BOSCH	823
CONTINENTAL	467
GM	445
FORD	367
DENSO	360
TOYOTA	340
SIEMENS	260
YAZAKI	254
HYUNDAI	235



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