

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5401131

SUBMISSION TYPE:	NEW ASSIGNMENT		
NATURE OF CONVEYANCE:	MERGER		
EFFECTIVE DATE:	10/01/2018		
CONVEYING PARTY DATA			
Name			Execution Date
FEDERAL-MOGUL LLC			10/01/2018
RECEIVING PARTY DATA			
Name:	TENNECO INC.		
Street Address:	500 NORTH FIELD DRIVE		
City:	LAKE FOREST		
State/Country:	ILLINOIS		
Postal Code:	60045		
PROPERTY NUMBERS Total: 1			
Property Type	Number		
Application Number:	13678863		
CORRESPONDENCE DATA			
Fax Number:	(844)670-6009		
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>			
Phone:	2484337386		
Email:	KCHAMBERLIN@DICKINSONWRIGHT.COM		
Correspondent Name:	ROBERT L. STEARNS		
Address Line 1:	2600 WEST BIG BEAVER ROAD		
Address Line 2:	SUITE 300		
Address Line 4:	TROY, MICHIGAN 48084		
ATTORNEY DOCKET NUMBER:	710240-6408		
NAME OF SUBMITTER:	ROBERT L. STEARNS		
SIGNATURE:	/ROBERT L. STEARNS/		
DATE SIGNED:	03/01/2019		
Total Attachments: 3			
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Delaware

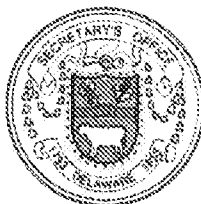
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Page 1

I, JEFFREY W. BULLOCK, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF MERGER, WHICH MERGES:

"FEDERAL-MOGUL LLC", A DELAWARE LIMITED LIABILITY COMPANY, WITH AND INTO "TENNECO INC." UNDER THE NAME OF "TENNECO INC." A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, AS RECEIVED AND FILED IN THIS OFFICE ON THE FIRST DAY OF OCTOBER, A.D. 2018, AT 1:35 O'CLOCK P.M.

A FILED COPY OF THIS CERTIFICATE HAS BEEN FORWARDED TO THE NEW CASTLE COUNTY RECORDER OF DEEDS.



2656834 8100M
SR# 20186917000

You may verify this certificate online at corp.delaware.gov/authver.shtml

A handwritten signature in black ink, appearing to read "JB", is written over a horizontal line. Below the line, the text "Jeffrey W. Bullock, Secretary of State" is printed.

Authentication: 203524644
Date: 10-01-18

PATENT
REEL: 048483 FRAME: 0065

CERTIFICATE OF MERGER
OF
FEDERAL-MOGUL LLC
(a Delaware limited liability company)

with and into

TENNECO INC.
(a Delaware corporation)

*Pursuant to Section 264 of the General Corporation Law of the State of Delaware and
Pursuant to Title 6, Section 18-209 of the Delaware Limited Liability Company Act*

State of Delaware
Secretary of State
Division of Corporations
Delivered 01:35 PM 10/01/2018
FILED 01:35 PM 10/01/2018
SR 20186917000 - File Number 2656834

Tenneco Inc., a Delaware corporation, does hereby certify:

FIRST: The name and jurisdiction of each constituent entity to this merger are as follows:

<u>Name</u>	<u>Jurisdiction</u>
Tenneco Inc.	Delaware
Federal-Mogul LLC	Delaware

SECOND: An Agreement and Plan of Merger, dated as of October 1, 2018, between Federal-Mogul LLC, a Delaware limited liability company (the "Disappearing Company"), and Tenneco Inc., a Delaware corporation, has been approved, adopted, certified, executed and acknowledged by each of the constituent entities in accordance with Section 264, Section 251(f) and Section 228 of the General Corporation Law of the State of Delaware and in accordance with Title 6, Section 18-209 of the Delaware Limited Liability Company Act.

THIRD: The corporation surviving the merger is Tenneco Inc., a Delaware corporation (the "Surviving Corporation").

FOURTH: The Certificate of Incorporation of Tenneco Inc. shall be the Certificate of Incorporation of the Surviving Corporation.

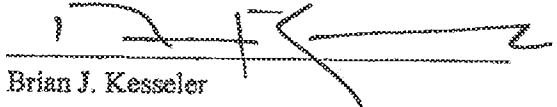
FIFTH: The merger shall become effective upon the filing of this Certificate of Merger with the Secretary of State of the State of Delaware.

SIXTH: The executed Agreement and Plan of Merger between the aforesaid constituent entities is on file at the office of the Surviving Company at 500 North Field Drive, Lake Forest, Illinois 60045. A copy will be provided, upon request and without cost, to any stockholder of the Surviving Corporation or to any member of the Disappearing Company.

[Signature Page Follows]

IN WITNESS WHEREOF, the Surviving Company has caused this Certificate of Merger to be signed by an authorized officer this 1st day of October, 2018.

TENNECO INC.

By: 

Name: Brian J. Kessler

Its: Chief Executive Officer

[Signature Page - Certificate of Merger]