

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
EFFECTIVE DATE:	12/07/1998

**CONVEYING PARTY DATA**

Name	Execution Date
Ashland Inc.	12/07/1998

**RECEIVING PARTY DATA**

Name:	Marathon Ashland Petroleum LLC
Street Address:	539 South Main Street
City:	Findlay
State/Country:	OHIO
Postal Code:	45840

**PROPERTY NUMBERS Total: 10**

Property Type	Number
Patent Number:	D321213
Patent Number:	5028272
Patent Number:	5045176
Patent Number:	5194227
Patent Number:	5345028
Patent Number:	5435814
Patent Number:	5478788
Patent Number:	5577346
Patent Number:	5601697
Patent Number:	5645615

**CORRESPONDENCE DATA**

Fax Number: (419)243-8502  
*Correspondence will be sent via US Mail when the fax attempt is unsuccessful.*

**OP \$400.00 D321213**

Phone: 4192431294  
Email: essp@essp-law.com  
Correspondent Name: James F. Porcello, Jr.  
Address Line 1: One SeaGate, Suite 1980, P.O. Box 916  
Address Line 4: Toledo, OHIO 43697-0916

NAME OF SUBMITTER:

James F. Porcello, Jr.

Total Attachments: 3

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ASSIGNMENT

WHEREAS, ASHLAND INC., a Kentucky corporation, with its principle place of business at 1000 Ashland Drive, Russell, Kentucky 41169, hereinafter "Assignor", is the sole owner of those patents listed in Attachment A, attached hereto and made a part hereof, and,

WHEREAS, MARATHON ASHLAND PETROLEUM LLC, a Delaware limited liability company, having its principle place of business at 539 South Main Street, Findlay, Ohio 45840, hereinafter "Assignee", is desirous of acquiring the entire right, title and interest in the same;

NOW THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, said Assignor does hereby sell, assign and transfer unto said Assignee the entire right, title and interest in and to the said patents; the same to be held and enjoyed by said Assignee for its own use and behoof, and for its legal representatives and assigns, to the full end of the term for which each said patent is granted, as fully and entirely as the same would have been held by Assignor had this assignment and sale not been made.

Executed this 7th day of December, 1998, at Russell, Kentucky.

ASHLAND INC.  
By: Thomas L. Feazell  
Name: THOMAS L. FEAZELL  
Title: Senior Vice President

State of Kentucky )  
                          )     SS:  
County of Greenup )

Before me personally appeared THOMAS L. FEAZELL and acknowledged that he signed the foregoing instrument as his free act and deed on behalf of ASHLAND INC. this 7th day of DECEMBER, 1998.

Carole A. Young  
Notary Public

CAROLE YOUNG  
My commission expires June 21, 2000

SEAL

ATTACHMENT A

PATENTS

Attorney Docket

Patent No.

Date Filed

3221BUS	3855252	09/15/71
3419BUS	3718704	01/08/71
3482BUS	3725246	11/23/70
3482DUS	3965252	09/23/74
3548CUS	4219690	07/05/79
3548MUS	4285835	08/25/80
3548NUS	4489213	06/29/81
3920MUS	4243551	12/04/78
3944AUS	4218305	07/17/78
3944BUS	4307052	08/15/80
4088AUS	4199431	06/22/78
4097AUS	4192812	06/22/78
4108AUS	4247404	01/09/79
4142AUS	4289729	07/26/79
4143AUS	4348523	09/08/80
6006AUS	4186077	01/09/79
6007AUS	4198285	01/09/79
6026AUS	4471063	10/21/82
6049AUS	4341624	11/14/79
6049BUS	4347122	11/14/79
6049CUS	4299687	11/14/79
6049DUS	4354923	11/14/79
6049EUS	4332673	11/14/79
6049IUS	4444651	11/09/81
6049JUS	4419223	04/30/82
6049KUS	4602993	04/01/83
6049PUS	4708785	03/20/85
6049XUS	4390415	09/29/81
6051AUS	4425259	08/05/81
6051CUS	4450241	08/16/82
6054MUS	4312999	02/26/80
6081AUS	4464250	07/30/81
6104AUS	4424116	03/25/82
6105AUS	4390503	05/13/81
✓ 6105BUS	4495063	11/01/82
6105NUS	5045176	02/05/90
6107BUS	4434044	09/01/81
6117BUS	4377470	04/28/81

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Page 2 of 3

PATENT

REEL: 009942 FRAME: 0139

REEL: 016522 FRAME: 0895

Attorney DocketPatent No.Date Filed

6125AUS	4432890	03/30/81
6125GUS	4750987	11/07/86
6131AUS	4728416	04/28/81
6147BUS	4701219	05/30/86
✓ 6147NUS	5028272	10/02/87
6148AUS	4440868	12/07/81
6154AUS	4431515	06/24/82
6155AUS	4496665	03/11/83
6155BUS	4552647	04/18/84
6156BUS	4612298	07/22/83
6162AUS	4393155	08/13/82
6175AUS	4427539	09/07/82
6190BUS	4753907	09/20/85
6193AUS	4480047	04/07/83
6193BUS	4561968	02/27/84
6193CUS	4588702	10/18/84
6201NUS	4716958	04/18/85
6201PUS	4822761	12/21/87
6219MUS	4701307	05/06/86
6222BUS	4792437	09/04/86
6226BUS	4793827	02/24/87
6233AUS	4924897	04/29/85
6245AUS	4614726	06/21/85
6245BUS	4698212	12/16/85
6248AUS	4583311	02/21/85
6303AUS	4831759	01/12/88
✓ 6356AUS	5194227	10/02/91
6367AUS	D321213	02/05/90
6376AUS	5131282	12/21/90
✓ 6391NUS	5577346	04/13/95
6407AUS	5239519	03/25/91
6410AUS	5625117	08/18/95
6431BUS	5435814	12/10/93
✓ 6431OUS	5645615	08/09/95
✓ 6436AUS	5345028	03/10/93
✓ 6436BUS	5478788	05/10/94
✓ 6439AUS	5601697	08/04/94
✓ 6439BUS	5728291	02/02/96
6458AUS	5580376	04/26/95
6460AUS	5494084	06/27/94
✓ 6501AUS	5755839	04/19/95

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Page 3 of 3

RECORDED: 05/10/1999

PATENT  
REEL: 009942 FRAME: 0140

RECORDED: 08/14/2005

REEL: 016522 FRAME: 0896