

PATENT ASSIGNMENT

Electronic Version v1.1
Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
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NATURE OF CONVEYANCE:	ASSIGNMENT
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CONVEYING PARTY DATA

Name	Execution Date
FLSmidth Ltd.	11/02/2011

RECEIVING PARTY DATA

Name:	FLSmidth A/S
Street Address:	Vigerslev Alle 77
City:	Valby
State/Country:	DENMARK
Postal Code:	DK-2500

PROPERTY NUMBERS Total: 13

Property Type	Number
Application Number:	12835140
Patent Number:	5230797
Patent Number:	5222933
Patent Number:	5338284
Patent Number:	5586965
Patent Number:	5895345
Patent Number:	6149572
Patent Number:	6682655
Patent Number:	6962560
Patent Number:	6997859
Patent Number:	7144360
Patent Number:	7500943
Patent Number:	7503888

CORRESPONDENCE DATA

501717136

PATENT
REEL: 027192 FRAME: 0839

CH \$520.00 12835140

Fax Number: (610)264-6761

Phone: 610-266-4456

Email: Ashley.Dible@FLSmidth.com

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.

Correspondent Name: Ashley Dible

Address Line 1: 2040 Avenue C

Address Line 2: FLSmidth Inc.

Address Line 4: Bethlehem, PENNSYLVANIA 18017

ATTORNEY DOCKET NUMBER:

7074 KNELSON

NAME OF SUBMITTER:

Aaron M. Pile

Total Attachments: 3

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**RECORDATION FORM COVER SHEET
PATENTS ONLY**

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)

FLSmidth Ltd.

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance/Execution Date(s):

Execution Date(s) 11/02/2011

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Joint Research Agreement
☐ Government Interest Assignment
☐ Executive Order 9424, Confirmatory License
☐ Other _____

2. Name and address of receiving party(ies)

Name: FLSmidth A/S

Internal Address: _____

Street Address: Vigerslev Alle 77

City: Valby

State: _____

Country: Denmark Zip: DK-2500

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application or patent number(s):

☐ This document is being filed together with a new application.

A. Patent Application No.(s)

12/835140

B. Patent No.(s)

5230797; 5222933; 5338284; 5586965; 5895345; 6149572; 6682655;
6962560; 6997859; 7144360; 7500943; 7503888

Additional numbers attached? ☐ Yes ☒ No

5. Name and address to whom correspondence concerning document should be mailed:

Name: Ashley Dible

Internal Address: _____

Street Address: FLSmidth Inc.

2040 Avenue C

City: Bethlehem

State: PA Zip: 18017

Phone Number: 610-266-4456

Fax Number: 610-264-6761

Email Address: Ashley.Dible@FLSmidth.com

6. Total number of applications and patents involved: 13

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 520.00

- ☒ Authorized to be charged to deposit account
☐ Enclosed
☐ None required (government interest not affecting title)

8. Payment Information

Deposit Account Number 062350

Authorized User Name Aaron M. Pile

9. Signature:

/Aaron M. Pile Reg. No. 56828/

Signature

11/03/2011

Date

Aaron M. Pile

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents:

3

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

ASSIGNMENT OF PATENT RIGHTS

In consideration of the payment of One (\$1.00) Dollar and other good and valuable consideration paid to **FLSmidth Ltd.**, located at 174 West Street South, Orillia, Ontario, L3V 6L4, Canada (hereinafter "Assignor") by **FLSmidth A/S**, a Danish corporation, having its principal place of business at Vigerslev Allé 77, DK-2500 Valby, Denmark, (hereinafter "Assignee") the receipt whereof is hereby acknowledged, Assignor does hereby assign, sell, and transfer unto the said Assignee, its successors and assigns, the entire right, title, and interest for the United States and in all countries foreign thereto and all divisions, reissues, reexaminations, continuations, and extensions thereof, in and to any and all improvements which are disclosed in the following inventions:

Title:	Application Number:	Application Date:	Patent Number:	Grant Date:
Centrifuge bowl with attached cast inner liner	07/804920	12/11/1991	5230797	07/27/1993
Centrifugal discharge of concentrate	07/869071	03/20/1992	5222933	06/29/1993
Centrifugal separator with substantially continuous discharge of fines	07/922338	07/30/1992	5338284	08/16/1994
Centrifugal separator with conical bowl section and axially spaced recesses	08/439273	05/11/1995	5586965	12/24/1996
Centrifugal separator with a reduced number of fluidized recesses	08/925661	09/09/1997	5895345	04/20/1999
Continuous centrifugal separator of heavier particulate materials from light particulate materials in a slurry	09/120135	07/22/1998	6149572	11/21/2000
Concrete recovery system	09/962619	09/26/2001	6682655	01/27/2004
Continuous centrifugal separation of slurry using balls contained in a recess of a bowl	10/630920	07/31/2003	6962560	11/08/2005
Centrifugal separator with fluid injection openings formed in a separate strip insert	10/694867	10/29/2003	6997859	02/14/2006
Centrifugal separator with a separate strip insert mounted in the bowl	11/103636	04/12/2005	7144360	12/05/2006

Centrifugal separator of heavier particulate materials from light particulate materials in a slurry using a ring in the collection recess	12/056750	03/27/2008	7500943	03/10/2009
Centrifugal separator of heavier particulate materials from light particulate materials in a slurry using a stepped lead-in surface	12/056774	03/27/2008	7503888	03/17/2009
Bowl structure for a centrifugal separator	12/835140	07/13/2010		

(the "Patents"), including all inventions disclosed therein, and any legal equivalent in a foreign country, including the right to claim priority. Assignor covenants that they are the lawful owner of the invention above mentioned, that the same is unencumbered, that no license has been granted to make, use, or sell the said invention, and that no assignment, sale, agreement, or encumbrance has been or will be made or entered into which would conflict with this assignment and that Assignor has the right to make this assignment. Assignor covenants that they will provide Assignee with all relevant documents relating to said invention and said patent and legal equivalents as may be known and accessible to the Assignor and agrees that they will communicate to said Assignee or its representatives any facts known to them respecting said invention and will, upon request, testify in any interference proceedings, sign all lawful papers relating to the patents and any foreign equivalents, execute all divisional, continuing, reexamination or reissue applications, make all rightful oaths or affidavits, and generally do everything which in the opinion of said the Assignee or its attorneys be reasonably required to aid said Assignee to obtain full protection for said inventions.

FLSmith Ltd.

Dated this 2 day of November, 2011

By: _____

Brad Johnston - President

Witness: _____

Terril Melvin
TERRIL MELVIN

Witness: _____