

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

OMB APPROVAL	
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Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

1. Name and Address of Reporting Person* <u>McDonald Damien</u>			2. Issuer Name and Ticker or Trading Symbol <u>LivNova PLC [LIVN]</u>			5. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director 10% Owner <input checked="" type="checkbox"/> Officer (give title below) Other (specify below) CEO		
(Last)	(First)	(Middle)	3. Date of Earliest Transaction (Month/Day/Year) <u>03/15/2018</u>			6. Individual or Joint/Group Filing (Check Applicable Line) <input checked="" type="checkbox"/> Form filed by One Reporting Person Form filed by More than One Reporting Person		
<u>20 EASTBOURNE TERRACE</u>			4. If Amendment, Date of Original Filed (Month/Day/Year)					
(Street) <u>LONDON X0 W2 6LG</u>								
(City) (State) (Zip)								

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)		4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 5)			5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
			Code	V	Amount	(A) or (D)	Price			

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction Code (Instr. 8)		5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)		6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)	8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)	
				Code	V	(A)	(D)	Date Exercisable	Expiration Date						Title
Restricted Stock Units	(1)	03/15/2018		A		12,729		(2)	(2)	Restricted Stock Units	12,729	\$0	120,822	D	
Stock Appreciation Rights	(3)	03/15/2018		A		41,512		(4)	(4)	Stock Appreciation Rights	41,512	\$0	215,739	D	
Performance Stock Units	(3)	03/15/2018		A		12,729		(5)	(5)	Performance Stock Units	12,729	\$0	133,551	D	
Performance Stock Units	(3)	03/15/2018		A		12,729		(6)	(6)	Performance Stock Units	12,729	\$0	146,280	D	

Explanation of Responses:

- Each restricted stock unit (RSU) represents a contingent right to receive one ordinary share (Ordinary Share) of LivNova PLC (the Company), GBP 1.00 par value, in accordance with the terms of the LivNova PLC 2015 Incentive Award Plan (the Plan) and the award agreement.
- Reporting person was granted RSUs subject to a four-year vesting schedule, vesting 25% on each of the first four anniversaries of March 15, 2018, subject to continued service during the vesting period.
- 88.38 Conversion or Exercise Price of Derivative Security.
- Reporting person was granted an award of stock appreciation rights ("SARs"). Subject to the terms and conditions of the Plan and the award agreement, the SARs shall vest in equal installments of 25% on each of the first four anniversaries of the grant date, March 15, 2018.
- On March 15, 2018, reporting person was granted 12,729 PSUs to vest or lapse on the filing of the Company's Annual Report on Form 10-K for the fiscal year ending December 31, 2020 ("2020 Form 10-K") based on the rank of the Company's total shareholder return for the three-year period ending December 31, 2020 relative to the total shareholder return of a benchmark group of companies. The form of agreement for this award was filed with the Securities and Exchange Commission in a Current Report on Form 8-K on March 16, 2018. The number included in column 5 of Table II reflects the target number of PSUs eligible for vesting.
- On March 15, 2018, reporting person was granted 12,729 PSUs to vest or lapse on the filing of the Company's 2020 Form 10-K based on how the Company's cumulative adjusted free cash flow for fiscal years 2018, 2019 and 2020 compares to a target. The form of agreement for this award was filed with the Securities and Exchange Commission on March 16, 2018. The number included in column 5 of Table II reflects the target number of PSUs eligible for vesting.

Remarks:

/s/ Sarah K. Mohr as POA 03/19/2018
 ** Signature of Reporting Person Date

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

* If the form is filed by more than one reporting person, see Instruction 4 (b)(v).

** Intentional misstatements or omissions of facts constitute Federal Criminal Violations See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB Number.