



## SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:  
EP 18 94 03 83

**Classification of the application (IPC):**  
B01D 53/04, B01D 53/26, H05K 5/02

**Technical fields searched (IPC):**  
B01D, H05K

DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
X	WO 0047932 A1 (DONALDSON CO INC [US]) 17 August 2000 (2000-08-17) * figures 1-3, 10-11 *	1, 3-7, 10, 11, 16, 17
X	US 2011232485 A1 (ELLSWORTH JOSEPH [US]) 29 September 2011 (2011-09-29) * figures 10, 21-23 *	1-11, 13
X	US 6290758 B1 (MOWAT SCOTT [AU]) 18 September 2001 (2001-09-18) * figure 1 *	1-5, 9-13, 16, 17
A	GB 2369070 A (RUSSELL SMITH GEOFFREY [GB]) 22 May 2002 (2002-05-22) * figures 4-7 *	1-17

The supplementary search report has been based on the last set of claims valid and available at the start of the search.

Place of search The Hague	Date of completion of the search 09 September 2022	Examiner Marchand, Karin
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### CATEGORY OF CITED DOCUMENTS

X: particularly relevant if taken alone	P: intermediate document
Y: particularly relevant if combined with another document of the same category	T: theory or principle underlying the invention
A: technological background	E: earlier patent document, but published on, or after the filing date
O: non-written disclosure	D: document cited in the application
& : member of the same patent family, corresponding document	L: document cited for other reasons

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## ANNEX TO SUPPLEMENTARY EUROPEAN SEARCH REPORT

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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on 09-09-2022  
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