

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
02 May 2024 (02.05.2024)



(10) International Publication Number
WO 2024/088746 A1

- (51) International Patent Classification:
B01D 25/26 (2006.01) *B01D 25/32* (2006.01)
- (21) International Application Number:
PCT/EP2023/077972
- (22) International Filing Date:
10 October 2023 (10.10.2023)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
22306625.9 26 October 2022 (26.10.2022) EP
- (71) Applicant: **ALFA LAVAL MOATTI** [FR/FR]; La Clef
Saint Pierre, 10 Rue du Maréchal de Lattre de Tassigny,
78990 ELANCOURT (FR).
- (72) Inventor: **ADRIEN, Nicole**; 15 Rue de Coulanges, 78990
ELANCOURT (FR).
- (74) Agent: **ALFA LAVAL ATTORNEYS, ALFA LAVAL
CORPORATE AB**; Group Patent, P.O. Box 73, SE-221 00
LUND (SE).
- (81) Designated States (*unless otherwise indicated, for every
kind of national protection available*): AE, AG, AL, AM,
AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ,

CA, CH, CL, CN, CO, CR, CU, CV, CZ, DE, DJ, DK, DM,
DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT,
HN, HR, HU, ID, IL, IN, IQ, IR, IS, IT, JM, JO, JP, KE, KG,
KH, KN, KP, KR, KW, KZ, LA, LC, LK, LR, LS, LU, LY,
MA, MD, MG, MK, MN, MU, MW, MX, MY, MZ, NA,
NG, NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO,
RS, RU, RW, SA, SC, SD, SE, SG, SK, SL, ST, SV, SY, TH,
TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, WS,
ZA, ZM, ZW.

- (84) Designated States (*unless otherwise indicated, for every
kind of regional protection available*): ARIPO (BW, CV,
GH, GM, KE, LR, LS, MW, MZ, NA, RW, SC, SD, SL, ST,
SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ,
RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ,
DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT,
LU, LV, MC, ME, MK, MT, NL, NO, PL, PT, RO, RS, SE,
SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN,
GQ, GW, KM, ML, MR, NE, SN, TD, TG).

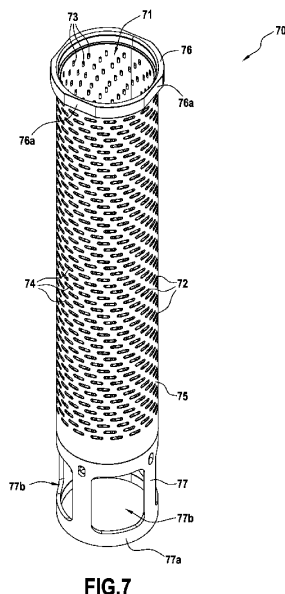
Declarations under Rule 4.17:

— of inventorship (Rule 4.17(iv))

Published:

— with international search report (Art. 21(3))

- (54) Title: SLEEVE FOR A FILTERING UNIT WITH BACKWASHING



(57) Abstract: The sleeve (70) is configured to be mounted coaxially inside a stack of annular filtering elements and comprises apertures (72) each having an inner orifice (73) and an outer orifice (74), the outer orifice (74) of each aperture (72) being configured to face and communicate with an inner passage of a filtering element, wherein the apertures (72) are organized in several circumferential rows, each circumferential row extending over a whole circumference of the sleeve (70), and wherein at least some of the apertures (72) have an outer orifice (74) elongated in the circumferential direction.

WO 2024/088746 A1