

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

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
26 August 2021 (26.08.2021)



(10) International Publication Number
WO 2021/165893 A1

(51) International Patent Classification:
A61M 1/00 (2006.01)

(21) International Application Number:
PCT/IB2021/051410

(22) International Filing Date:
19 February 2021 (19.02.2021)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
2020900501 21 February 2020 (21.02.2020) AU
2020902945 18 August 2020 (18.08.2020) AU

(71) Applicant: **MEDELA HOLDING AG** [CH/CH]; Lättich-
strasse 4b, 6340 Baar (CH).

(72) Inventors: **HÖNER, Sebastian**; Zurlindenstrasse 218,
8003 Zürich (CH). **MITOULAS, Leon**; Lättichstrasse 4b,
6340 Baar (CH).

(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, CZ, DE, DJ, DK, DM, DO,

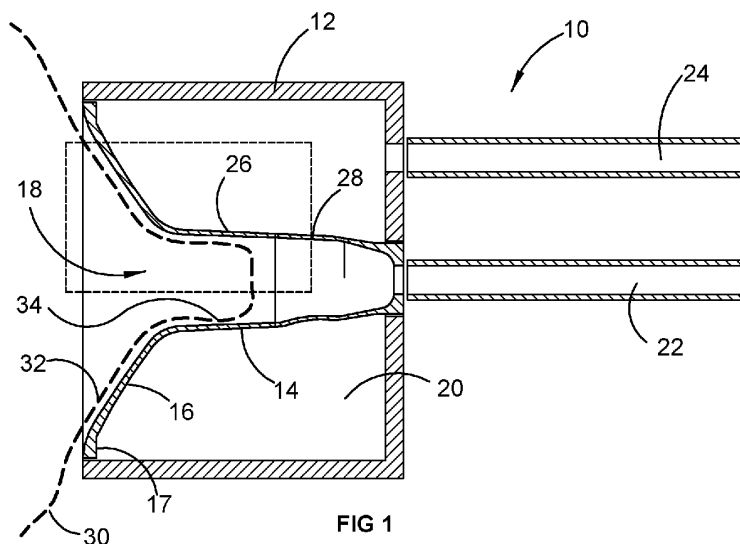
DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN,
HR, HU, ID, IL, IN, IR, IS, IT, JO, JP, KE, KG, KH, KN,
KP, KR, KW, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD,
ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO,
NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW,
SA, SC, SD, SE, SG, SK, SL, ST, SV, SY, TH, 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, GH,
GM, KE, LR, LS, MW, MZ, NA, RW, 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, 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).

Published:

- with international search report (Art. 21(3))
- in black and white; the international application as filed
contained color or greyscale and is available for download
from PATENTSCOPE

(54) Title: BREAST SHIELD



(57) **Abstract:** A breast shield (10) for expressing human breast milk. The breast shield (10) comprises an outer housing (12) and a flexible inner liner (14) within the outer housing (12). In use, with the breast shield (10) applied to a breast, the inner liner (14) is in contact with the surface of both the areola and nipple of the breast. The breast shield further comprises an outer chamber (20) between the outer housing (12) and the inner liner (14) and an inner chamber (18) within the inner liner (14). In use, the inner and outer chambers (18, 20) are subjectable to differential pressure and the differential pressure is operable to cause the inner liner (14) to exert a massaging effect against the surface of both the areola and nipple of a breast.

WO 2021/165893 A1