

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

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
28 November 2024 (28.11.2024)



(10) International Publication Number
WO 2024/243305 A2

(51) International Patent Classification:
Not classified

(21) International Application Number:
PCT/US2024/030565

(22) International Filing Date:
22 May 2024 (22.05.2024)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
63/503,782 23 May 2023 (23.05.2023) US

(71) Applicant: **VANDOR CORPORATION** [US/US]; 4251
W. Industries Road, Richmond, IN 47374 (US).

(72) Inventors: **ELDER, Jack, E.**; 384 Olivewood Court,
Rochester, MI 48306 (US). **BROWN, Richard**; 1100 Sy-
camore Lane, Richmond, IN 47374 (US). **NICHOLS,**
Christopher; 4407 Skylark Drive, Englewood, OH 45322
(US).

(74) Agent: **BAXTER, Travis, W.**; Maginot, Moore & Beck
LLP, 150 West Market Street, Suite 800, Indianapolis, IN
46204 (US).

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,

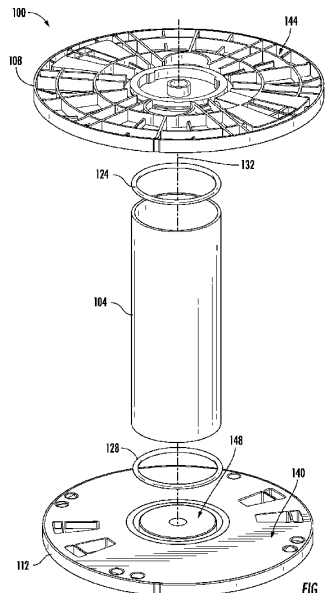
AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ,
CA, CH, CL, CN, CO, CR, CU, CV, CZ, DE, DJ, DK, DM,
DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT,
HN, HR, HU, ID, IL, IN, IQ, IR, IS, IT, JM, JO, JP, KE, KG,
KH, KN, KP, KR, KW, KZ, LA, LC, LK, LR, LS, LU, LY,
MA, MD, MG, MK, MN, MU, MW, MX, MY, 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).

Published:

— without international search report and to be republished
upon receipt of that report (Rule 48.2(g))

(54) Title: INDUCTION BONDED REEL



(57) Abstract: A reel includes a core, a first flange affixed to a first end of the core, a second flange affixed to a second opposite end of the core, and a first bonded joint connecting the first flange to the core. The first bonded joint includes a first susceptor material arranged between the first flange and the first end of the core, and the first flange and the first end of the core are bonded around the first susceptor material.

WO 2024/243305 A2