

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

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
31 March 2022 (31.03.2022)



(10) International Publication Number
WO 2022/064175 A1

(51) International Patent Classification:
E04B 1/72 (2006.01) *E04B 1/68* (2006.01)

(21) International Application Number:
PCT/GB2021/052372

(22) International Filing Date:
13 September 2021 (13.09.2021)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
2014939.9 22 September 2020 (22.09.2020) GB

(71) Applicant: **RENTOKIL INITIAL 1927 PLC** [GB/GB];
Compass House, Manor Royal, Crawley, West Sussex,
RH10 9PY (GB).

(72) Inventors: **BROWN, Mark**; 199 Victoria Road, Prestatyn
LL19 7SU (GB). **JONES, Craig Alan**; 23 Clwyn Avenue,
Prestatyn LL19 9NG (GB).

(74) Agent: **ABEL & IMRAY**; Westpoint Building, James
Street West, Bath, Bath and North East Somerset BA1 2DA
(GB).

(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,

(54) Title: EXPANSION JOINT

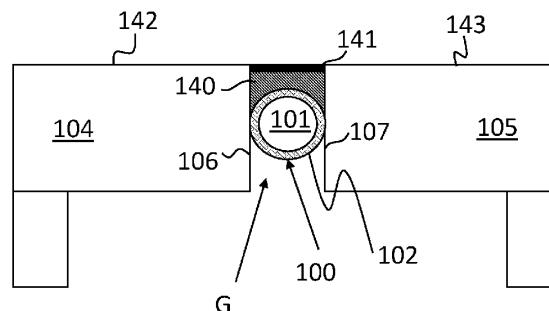


Fig. 3

(57) Abstract: An expansion joint for providing a rodent-proof barrier. The expansion joint comprises an elongate core formed of a resiliently deformable material, and a flexible sheath of a barrier material covering at least a part of the elongate portion of the elongate core. The elongate portion of the elongate core is compressible in a direction perpendicular to a line between the first and second ends of the elongate core, the elongate core being arranged to be compressed and inserted into a gap between first and second building structures, and to expand after insertion into the gap so that the expansion joint is held in place within the gap by friction between the surface of the flexible sheath and the surfaces of the first and second building structures.

[Continued on next page]

WO 2022/064175 A1

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))*
- *with amended claims (Art. 19(1))*