

Title (en)  
EASY-TO-CLEAN STRAW

Title (de)  
LEICHT ZU REINIGENDES STROH

Title (fr)  
PAILLE FACILE À NETTOYER

Publication  
**EP 4000475 A1 20220525 (EN)**

Application  
**EP 21201900 A 20211011**

Priority  
TW 109140356 A 20201118

Abstract (en)  
An easy-to-clean straw including an outer tube wall (100), an uneven inner tube wall (110) and a channel (120) enclosed by the uneven inner tube wall; where the uneven inner tube wall has a plurality of protrusions (111) thereon to enable a user to press and roll the outer tube wall to rub the uneven inner tube wall with the plurality of protrusions, thereby effectively removing remnants left on the uneven inner tube wall.

IPC 8 full level  
**A47G 21/18** (2006.01)

CPC (source: CN EP KR US)  
**A47G 21/18** (2013.01 - CN EP KR US); **A47G 21/186** (2013.01 - EP); **A47G 2400/02** (2013.01 - EP KR US); **A47G 2400/10** (2013.01 - US)

Citation (applicant)  
TW I674868 B 20191021 - CHANG CHING TA [TW]

Citation (search report)  
• [XII] US 2014252115 A1 20140911 - TOEPFERT CHRISTOPHER RAY [US]  
• [I] CN 210276774 U 20200410 - WU ZHUBIAO

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**EP 4000475 A1 20220525**; AU 2021261915 A1 20220602; BR 102021022952 A2 20220531; CA 3139185 A1 20220518; CN 114515093 A 20220520; CN 216166756 U 20220405; CU 20210084 A7 20230511; JP 2022080855 A 20220530; KR 20220068171 A 20220525; TW 202220595 A 20220601; TW I760926 B 20220411; US 2022151413 A1 20220519

DOCDB simple family (application)  
**EP 21201900 A 20211011**; AU 2021261915 A 20211104; BR 102021022952 A 20211116; CA 3139185 A 20211116; CN 202111155699 A 20210929; CN 202122382976 U 20210929; CU 20210084 A 20211013; JP 2021181570 A 20211108; KR 20210157294 A 20211116; TW 109140356 A 20201118; US 202117520072 A 20211105