

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

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
11 April 2019 (11.04.2019)



(10) International Publication Number
WO 2019/070194 A1

(51) International Patent Classification:
B64D 11/06 (2006.01) *A47C 1/02* (2006.01)

(21) International Application Number:
PCT/SG2017/050498

(22) International Filing Date:
03 October 2017 (03.10.2017)

(25) Filing Language: English

(26) Publication Language: English

(71) Applicant: **SINGAPORE AIRLINES LIMITED**
[SG/SG]; 25 Airline Road, Airline House, Singapore
819829 (SG).

(72) Inventor: **NG, Yung Han**; 25 Airline Road, Airline House,
Singapore 819829 (SG).

(74) Agent: **KHATTARWONG LLP**; 80 Raffles Place,
#25-01, UOB Plaza 1, Singapore 048624 (SG).

(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, 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, SM, ST, SV, SY, TH, TJ, TM, TN,
TR, TT, TZ, UA, UG, US, UZ, VC, VN, 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))

(54) Title: AIRCRAFT SEAT

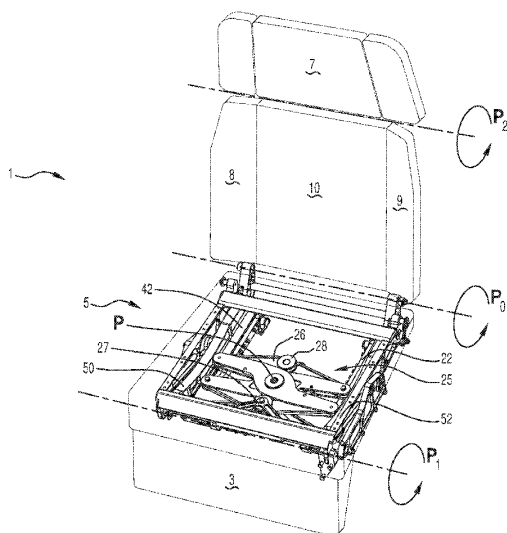


Figure 7

(57) Abstract: A seat is disclosed. The seat comprises a moveable seat carriage having a seat pan and a seat back supported thereon. The seat also comprises a seat base supporting the moveable seat carriage thereupon and a support member moveable between a retracted configuration and an extended configuration, wherein a first end of the support member is coupled to the moveable seat carriage and a second end of the support member is coupled to the seat base. The seat also comprises an actuator to move the moveable seat carriage relative to the seat base to thereby transition the seat between an upright and a reclined position, with the movement of the seat carriage driving the support member between the retracted configuration and the extended configuration, wherein the support member stiffens the seat as the seat transitions away from the upright to the reclined position and while in the reclined position.

WO 2019/070194 A1