

Title (en)
TOILET ASSISTIVE DEVICE

Title (de)
TOILETTENHILFSVORRICHTUNG

Title (fr)
DISPOSITIF D'ASSISTANCE DE TOILETTES

Publication
EP 4094651 A4 20240207 (EN)

Application
EP 20915235 A 20200424

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Abstract (en)
[origin: EP4094651A1] Disclosed in the present invention is a toilet assistive device, a main body frame comprising a support part, a handrail part and a bearing part; the handrail part providing effective support for a user standing up after sitting for a long time, capable of preventing a situation of the user falling because of momentary dizziness when standing up from occurring; the support part having provided thereon a footrest, such that a user can place two feet on the footrest when using the toilet, decreasing pressure on multiple parts of the body when using the toilet, and easing feelings of tiredness and fatigue. In addition, a toilet seat ring is rotatably mounted on the bearing part, an upper surface thereof including a forward tilted section in contact with the thighs and a backward tilted section in contact with the buttocks, an included angle between the forward tilted section and a horizontal surface being 15-75°; thus, when a user sits on the toilet seat ring, the thighs can be raised to form an angle with the upper torso, increasing abdominal pressure and an anorectal angle, which can also cause the puborectalis muscle to be in a relaxed state, aiding smooth defecation for the user, and decreasing hemorrhoid occurrence. The present invention is used in the technical field of sanitary devices.

IPC 8 full level
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Citation (search report)
• [X] CN 209018159 U 20190625 - TIANJIN JINCHI TECH DEVELOPMENT CO LTD
• [XY] US 5311617 A 19940517 - AMMATELLI FRANCIS J [US], et al
• [I] US 2954566 A 19601004 - LOTTENBERG LOUIS G
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• See references of WO 2021147194A1

Designated contracting state (EPC)
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