

Title (en)
HIGH-SPEED INPUT DEVICE

Title (de)
HOCHGESCHWINDIGKEITSEINGABEVORRICHTUNG

Title (fr)
DISPOSITIF D'ENTRÉE À GRANDE VITESSE

Publication
EP 4283648 A1 20231129 (EN)

Application
EP 21920132 A 20210125

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Abstract (en)
A high-speed input device of an embodiment includes a contact point portion, a drive mechanism portion, and an impact buffer portion. The contact point portion includes a drive electrode and a counter electrode. The drive mechanism portion includes a driving portion and a drive side urging portion. The driving portion applies a driving force in a first direction approaching the counter electrode with respect to the drive electrode during an input operation. The drive side urging portion applies a return force in a second direction separating from the counter electrode with respect to the drive electrode. The impact buffer portion includes a counter side urging portion and a counter side stopper. The counter side urging portion applies a return force in a second direction contacting the drive electrode with respect to the counter electrode. The counter side stopper regulates the displacement of the counter electrode in the second direction while the drive electrode and the counter electrode are separated from each other in a steady state.

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