

Title (en)

EMERGENCY-STOP SWITCH AND MACHINE WITH AN EMERGENCY-STOP SWITCH

Title (de)

NOT-HALT-SCHALTER UND MASCHINE MIT NOT-HALT-SCHALTER

Title (fr)

INTERRUPTEUR D'ARRÊT D'URGENCE ET MACHINE ÉQUIPÉE D'UN INTERRUPTEUR D'ARRÊT D'URGENCE

Publication

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Application

EP 20806954 A 20201111

Priority

- DE 102019135227 A 20191219
- EP 2020081685 W 20201111

Abstract (en)

[origin: CA3160275A1] The invention relates to an emergency stop switch (1), having:- a switch mechanism (10) with a manually operable switch (11) and with a first contact element (12) which is operatively connected to the switch (11), wherein the switch (11) is configured, when the switch (11) is actuated, to bring the first contact element (12) into contact with a second contact element (14) to trigger an emergency stop function, and - a cable pull mechanism (20) with a switch tongue (21) guided in a switch tongue guide (22), wherein the switch tongue (21) is configured to be connected to a first end of a cable (30), wherein a switch tongue spring (24) preloads the switch tongue (21) during operation in a direction away from the cable (30), wherein the cable (30) is connected on its second end with preload to an equalizing spring (31) during operation, wherein the first contact element (12) is operatively connected to the switch tongue (21) in such a way that the switch tongue (21), when the preloaded cable (30) is pulled, is guided in the switch tongue guide (22) in the direction of the cable (30), opposing a spring force of the switch tongue spring (24), and in the process brings the first contact element (12) into contact with the second contact element (14) in order to trigger the emergency stop function by means of the cable pull mechanism (20). The invention also relates to a machine having such an emergency stop switch (1), the second contact element (14) being connected to the machine in such a way that triggering the emergency stop function by means of the emergency stop switch (1) causes the machine to stop.

IPC 8 full level

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CPC (source: EP US)

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