

Title (en)

AN APPARATUS AND A METHOD FOR AUTOMATICALLY ERASING A BLACKBOARD

Title (de)

VERFAHREN UND VORRICHTUNG ZUR AUTOMATISCHEN RADIERUNG EINER WANDTAFEL

Title (fr)

DISPOSITIF ET PROCEDE D'EFFACEMENT AUTOMATIQUE D'UN TABLEAU NOIR

Publication

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Application

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Priority

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Abstract (en)

[origin: WO0068025A1] The invention discloses an apparatus and a method for automatically erasing a blackboard, and more particularly, to an improved apparatus and method for automatically erasing the blackboard wherein the automatic erasing apparatus horizontally reciprocates relative to a blackboard. In the invention, two wiper members are positioned at outer ends of the erasing means rotatably installed at both ends with respect to the carriage. The eccentric axes are vertically mounted on the variable plates. By the variable plates, the left erasing means and one wiper member are moved in the right direction or in the left direction to contact or not to contact the right erasing means and the other wiper member.

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Citation (search report)

- [XY] EP 0689942 A1 19960103 - KAWASHIMA KIYOHARU [JP]
- [Y] US 3858265 A 19750107 - SCHLICK ROLLAND L
- [Y] CA 1059272 A 19790731 - AGNESI RAY, et al
- [A] US 3731335 A 19730508 - CHRISP B
- [A] US 5216776 A 19930608 - DENNISON DANIEL C [US]
- [A] EP 0786358 A1 19970730 - RICOH ELEMEX CORP [JP], et al
- [PX] WO 9953466 A2 19991021 - JANG CHANG HO [KR]
- See references of WO 0068025A1

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