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(57) Abstract :

The present invention relates to an AI-powered math problem generator device (10) that automatically creates math problems (14) and provides stepwise solutions (12) using an integrated AI algorithm (20). The device (10) comprises a solution processing unit (18), a user interface (16), and a dynamic problem-generation engine (22) that adapts difficulty levels based on educator inputs. It offers offline functionality and compatibility with external displays, enhancing classroom teaching. The invention improves educator efficiency and student comprehension by combining intelligent problem generation with logical, detailed solution breakdowns.

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