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Patent Search

Invention Title	DESIGN AND DEVELOPMENT OF AN ARTIFICIAL INTELLIGENT BASED AUTOMATIC BABY CRADLE WITH INCUBATOR AND C
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Abstract:

Complete Specification

[001 I] Figure I depicts an artificial intelligence-based automatic baby cradle (AIABC) with incubator and centralized cooling system constructed from mild steel round pipe, cotton fabrics, and polyester mosquito net. The AIABC consists of five primary components: I) the cradle (101); ii) the automatic swinging system; iii) the incubator (112) with cooling system ("3); iv) the Internet of Things-enabled electronic controller setup (I21); and v) the battery unit (I 15).

[0012] The cradle consists of a rectangle-shaped metal frame (101), soft cotton cloth (109) rolled in all sides of the cradle, ventilated duct polyester cloth (I 10) stitched with soft cloth, a leg frame (102), a frame supporter (103), a holding leg ([04), a right and left side cradle holder (105), a centre connecting rod (106) of the leg (104) and a top frame (I I I) with a balance rod (107) connected With the bottom of the cardia between the right and left side leg supporter. A holding bolt (120) holds the cradle in place.

[0013] The automated swinging system consists of a DC servo motor (I 17), 21 motor holder setup (118) for holding the motor with a leg support, and a connecting rod (108) for connecting the cradle hand (119) for swinging the cradle.[00 | 4] The incubator consists of a light bulb (112) affixed to the top and centre of the cradle and wired to a battery via an artificial intelligence based AT mega microcontroller

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