

Title (en)

AUTOMOBILE BODY CORRECTION DEVICE AND BODY CORRECTION METHOD

Title (de)

VORRICHTUNG UND VERFAHREN ZUM RICHTEN EINER FAHRZEUGKAROSSERIE

Title (fr)

DISPOSITIF ET PROCEDE DE REDRESSEMENT DE LA CARROSSERIE D'UN VEHICULE

Publication

**EP 1281590 A1 20030205 (EN)**

Application

**EP 00927739 A 20000508**

Priority

JP 0002949 W 20000508

Abstract (en)

An automobile body correction device (10) for correcting the body of an automobile deformed by a traffic accident or the like, comprising a frame body (11) capable of receiving the whole or part of the automobile body, lifting devices (12) disposed within the frame body (11), an automobile body holding device (13) for detachably fixing the lifted automobile body, wheels (14, 15) disposed at four positions, front/rear and right/left, of the frame body (11), and pressurizing devices which pressurize the automobile body fitted in the frame body (11) and which consist of a plurality of ceiling cylinders (16) and suspending cylinders (17) mounted to a ceiling unit, a plurality of side cylinders (18) mounted to both right and left side units, and a plurality of floor cylinders (19) mounted to a floor surface. An automobile body correction method, in which portions to be corrected of the automobile body inserted into the frame body are corrected while being pressurized by a plurality of pressurizing devices, eliminates the conventional need of fixing or pulling the automobile body by dedicated support members and chains and ensures a short-time, safe correction work. Directly pressurized and corrected deformed portions cause a very slight spring back and allow even unskilled workers to accurately correct the automobile body without requiring a high degree of technique. In addition, a correction work permitted only inside the frame body can make efficient use of space. <IMAGE>

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**B60S 5/00**

IPC 8 full level

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