

Title (en)
IMPACT TOOL

Title (de)
SCHLAGWERKZEUG

Title (fr)
OUTIL D'IMPACT

Publication
EP 2199031 A1 20100623 (EN)

Application
EP 08830366 A 20080912

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Abstract (en)
An impact tool is provided which is improved in its structure for absorbing an impact force caused by rebound of a tool bit after its striking movement. The impact tool of this invention includes a tool body (103), a hammer actuating member (119, 145), a striking element (143), a weight part (163) to which a reaction force is transmitted from the hammer actuating member in a reaction force transmitting position when the hammer actuating member performs a hammering operation on the workpiece and which moves from the reaction force transmitting position in a direction different from the axial direction of the hammer actuating member by the transmitted reaction force, and an elastically deformable elastic element (165). The weight part (163) changes in its state between a first state in which the reaction force is not yet transmitted to the weight part and a second state in which the weight part is caused to move by the transmission of the reaction force in the direction different from the axial direction of the hammer actuating member. Further, the elastic element (165) exerts a biasing force such that the weight part (163) is placed in the first state, and when the weight part (163) changes from the first state to the second state by the reaction force, the elastic element (165) elastically deforms by being pushed by the weight part (163) and thereby absorbs the reaction force transmitted to the weight part (163).

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