

Title (en)

IMPACT DEVICE FOR CLEANING OF SURFACES, PARTICULARLY HEAT DELIVERY SURFACES

Title (de)

SCHLAGVORRICHTUNG ZUM REINIGEN VON OBERFLÄCHEN, INSBESONDERE WÄRMEAUSGABEOBERFLÄCHEN

Title (fr)

DISPOSITIF À IMPACT POUR LE NETTOYAGE DE SURFACES, EN PARTICULIER DES SURFACES DÉGAGEANT DE LA CHALEUR

Publication

EP 2643104 A1 20131002 (EN)

Application

EP 11842482 A 20111123

Priority

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- FI 2011051033 W 20111123

Abstract (en)

[origin: WO2012069702A1] The invention relates to an impact device for cleaning of surfaces, particularly heat delivery surfaces, such as boiler faces, the impact device comprising an anvil (1); a body (2); a hammer unit comprising a hammer (5) arranged to be displaceable in the body (2); and a spring (6) arranged to receive impact energy from the hammer (5) and to transfer impact energy to the anvil (1). To be able to efficiently damp undesired impact force from the anvil (1) to the body (2) such that the maintenance interval and service life of the impact device will be long, and to improve the efficiency and reliability of the impact device and to facilitate its maintenance, the body (2) is fastened to the anvil (1) by means of an elongated suspension element (7); the impact device comprises a spring unit (9) connecting the suspension element (7) to the body (2) flexibly, which allows the body (2) to be displaced in the longitudinal direction of the suspension element (7); the hammer device comprises an end facing the anvil (1), and the device comprises means for keeping an entity comprising the hammer unit end facing the anvil (1), the spring (6) and the anvil (1) under compression in a clearance-free manner.

IPC 8 full level

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CPC (source: EP FI)

B08B 7/02 (2013.01 - EP); **F28G 1/08** (2013.01 - FI); **F28G 7/00** (2013.01 - EP FI)

Citation (third parties)

Third party :

WO 2008071852 A1 20080619 - FOSTER WHEELER ENERGIA OY [FI], et al

Cited by

WO2019234296A1

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DOCDB simple family (publication)

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