Title (en)

BLOCK ARRANGEMENT FOR HYDRAULIC FORGING UNIT DEVICES

Title (de

BLOCKANORDNUNG FÜR HYDRAULISCHE SCHMIEDEEINHEITSVORRICHTUNGEN

Title (fr)

AGENCEMENT DE BLOCS POUR DISPOSITIFS D'UNITÉ DE FORGEAGE HYDRAULIQUE

Publication

EP 3578279 A4 20200226 (EN)

Application

EP 19730105 A 20190111

Priority

- · CN 201810334631 A 20180414
- CN 2019071406 W 20190111

Abstract (en

[origin: EP3578279A1] A hydraulic forging press unit having devices arranged in a building-block-type is provided, in which the devices of the hydraulic forging press unit, after being classified, are arranged in a three-dimensional way in different layers to form a building-block-type arrangement structure. A main device (1) is placed in a left chamber on a basement first floor (a), and runs through left chambers on the basement first floor (a), a first floor (b), a second floor (c), and a third floor (d); a hydraulic pump station is placed in a right chamber on the basement first floor; an electronic control system is placed in a right chamber on the first floor; an intelligent conversion system for hydraulic power source is placed in a right chamber on the second floor; and an intelligent filtration and cooling system is placed in a right chamber on the third floor. With the present disclosure, area occupied by the devices are reduced, and hydraulic transmission pipelines are shortened as much as possible so as to reduce a hydraulic transmission resistance and further to improve a dynamic response speed of a hydraulic system, with the advantages of high manufacturing efficiency and a low running cost for enterprise; besides, after arranged in different layers the devices are arranged in reasonable positions, which facilitates maintenance of the devices, moreover, underground and overground spaces are comprehensively utilized in the present disclosure, thereby the noise caused by vibration of the devices is reduced.

IPC 8 full level

B21J 9/02 (2006.01); E04H 5/02 (2006.01)

CPC (source: CN EP)

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Citation (search report)

- [A] WO 2018028149 A1 20180215 ZHONGJUXIN OCEAN ENG EQUIPMENT CO LTD [CN]
- [A] CN 203330319 U 20131211 SHAANXI HUAWEI FORGING CO LTD
- [A] CN 205954672 U 20170215 ZHONGJUXIN OCEAN ENG EQUIPMENT CO LTD
- [A] JP S54118362 A 19790913 OGAWA TETSUKOU KK
- [A] JP S4841824 B1 19731208
- See references of WO 2019196529A1

Cited by

DE102021201467A1; WO2022174985A1; DE102021201463A1; WO2022175052A1; DE102022104316A1

Designated contracting state (EPC)

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Designated extension state (EPC)

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DOCDB simple family (application)

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