Title (en)

STIRRING APPARATUS FOR SYNTHETIC PARTICLES AND HEATING METHOD THEREFOR

Title (de)

RÜHRVORRICHTUNG FÜR SYNTHETISCHE TEILCHEN UND ERWÄRMUNGSVERFAHREN DAFÜR

Title (fr)

APPAREIL D'AGITATION POUR PARTICULES SYNTHÉTIQUES ET SON PROCÉDÉ DE CHAUFFAGE

Publication

EP 3375510 B1 20240313 (EN)

Application

EP 16863669 A 20161110

Priority

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- CN 2016105367 W 20161110

Abstract (en)

[origin: EP3375510A1] Disclosed are a stirring apparatus for synthetic particles and a heating method therefor. The stirring apparatus for synthetic particles comprises: a rotatable stirring barrel (230); a fixed support (240) for supporting the stirring barrel (230); at least one heat conducting tube (210), wherein the side wall of the heat conducting tube (210) for facing a heat source is provided with multiple hot air inlet holes (211); a main heat conducting tube (220), wherein the main heat conducting tube (220) is in communication with an inner cavity of the stirring barrel (230), and the main heat conducting tube (220) is in communication with the heat conducting tube (210) to form a connected air channel; and an air pressure valve (250), wherein the air pressure valve (250) is arranged in the connected air channel. The heating method comprises: by means of a heat conducting tube (210) provided with hot air inlet holes (211), sucking hot air around a heat source into a connected air channel formed by connecting a main heat conducting tube (220) and the heat conducting tube (210); and bringing the main heat conducting tube (220) into communication with an inner cavity of a stirring barrel (230), so that the hot air is introduced into the rotatable stirring barrel (230) via the main heat conducting tube (220).

IPC 8 full level

B01F 23/60 (2022.01); **B01F 29/63** (2022.01); **B01F 35/75** (2022.01); **B01F 35/90** (2022.01); **B01F 35/91** (2022.01)

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- DE 2102328 A1 19720803
- US 4198761 A 19800422 - MINERBE MICHEL A R [FR]

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