

# INTERNATIONAL SEARCH REPORT

International application No.  
**PCT/CN2015/000812**

## A. CLASSIFICATION OF SUBJECT MATTER

F27B 9/36 (2006.01) i

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

F27B 9; F27D 17

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

CNKI, CNPAT, WPI, EPODOC: cycle, air duct, channel?, furnace?, heat exchang+, recycl+

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
PX	CN 204730681 U (TANGSHAN YAJIE MACHINERY CO., LTD.), 28 October 2015 (28.10.2015), claims 1-9	1-9
X	CN 203432302 U (GUO, Da et al.), 12 February 2014 (12.02.2014), description, paragraphs 0014-0015, and figure 1	1
A	CN 203432302 U (GUO, Da et al.), 12 February 2014 (12.02.2014), description, paragraphs 0014-0015, and figure 1	2-9
A	CN 203605693 U (FOSHAN RONGGUAN GLASS MATERIAL FOR BUILDING CO., LTD.), 21 May 2014 (21.05.2014), the whole document	1-9
A	CN 103925788 A (GUO, Jinliang), 16 July 2014 (16.07.2014), the whole document	1-9
A	DE 3730362 A1 (HAESSLER, A.), 23 March 1989 (23.03.1989), the whole document	1-9

Further documents are listed in the continuation of Box C.       See patent family annex.

<p>* Special categories of cited documents:</p> <p>“A” document defining the general state of the art which is not considered to be of particular relevance</p> <p>“E” earlier application or patent but published on or after the international filing date</p> <p>“L” document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</p> <p>“O” document referring to an oral disclosure, use, exhibition or other means</p> <p>“P” document published prior to the international filing date but later than the priority date claimed</p>	<p>“T” later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</p> <p>“X” document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</p> <p>“Y” document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art</p> <p>“&amp;” document member of the same patent family</p>
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Date of the actual completion of the international search  
12 January 2016 (12.01.2016)

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**19 January 2016 (19.01.2016)**

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**INTERNATIONAL SEARCH REPORT**  
Information on patent family members

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Patent Documents referred in the Report	Publication Date	Patent Family	Publication Date
CN 204730681 U	28 October 2015	None	
CN 203432302 U	12 February 2014	None	
CN 203605693 U	21 May 2014	None	
CN 103925788 A	16 July 2014	None	
DE 3730362 A1	23 March 1989	None	