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(54) **Title:** DIAGNOSTIC, PROGNOSTIC AND THERAPEUTIC USES OF MIRS IN ADAPTIVE PATHWAYS AND/OR DISEASE PATHWAYS

(57) **Abstract:** Described herein are methods and compositions for the diagnosis, prognosis and treatment of various adaptive and/or disease pathways by examining samples containing one or more miRs therein, and by formulating therapeutic agents therefrom.

INTERNATIONAL SEARCH REPORT

International application No.

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A. CLASSIFICATION OF SUBJECT MATTER
 IPC(8) - A61K 48/00; C07H 21/02 (2009.01)
 USPC - 514/44R; 536/23.1; 536/24.5
 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)
 IPC (8) A61K 48/00; C07H 21/02 (2009.01)
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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)
 PubWEST(PGPB,USPT,USOC,EPAB,JPAB); Google Patents; Google Scholar
 fibrosis, interstitial, diagnosis, surgery, trauma, healing, wound, miR, microRNA, MiR-17-92 or miR-19a or miR-19b or miR-20a, lung, pulmonary, disease, cirrhosis, cluster, Ohio State, Piper, Marsh, idiopathic,

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	(YANG et al.) MicroRNAs and Regenerative Medicine DNA AND CELL BIOLOGY Volume 26, Number 4, 2007 Pp. 257?264. (pg 257 col 1 para 2) (pg 257 col 2 para 2) (pg 258 col 2 para 3) (pg 259 col 1 para 4) (pg 258 col 1 para 3, 4) (pg 259 col 2 para 3) (pg 259 Fig. 1) (pg 260 Fig. 2) (pg 260 col 2 para 3) (pg 261 col 2, several examples)	1-3, 5-8,10-13 and 55-58 ----- 4, 9, and 14-34
Y	US 2006/0265769 A1 (GU et al.) 23 November 2006 (23.11.2006).(para [0011], [0023], [0024], [0138], [0182]). (para [0011], [0023], [0138], [0182], [0225])	4, 9, 14-50, 59-62, and 68-71
X	(MENDELL) miRiad Roles for the miR-17-92 Cluster in Development and Disease CELL 133, April 18, 2008 pp. 217-222. (pg 217 col 1 para 2) (pg 217 col 2 para 3)(pg 219 col 2 para 2) (pg 220 col 2 para 3) (pg 221 col 2 para 2)	51-54, and 63-67 ----- 32-50, 59-62, and 68-71
Y		

Further documents are listed in the continuation of Box C.

* Special categories of cited documents:	"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
"A" document defining the general state of the art which is not considered to be of particular relevance	"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
"E" earlier application or patent but published on or after the international filing date	"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
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"O" document referring to an oral disclosure, use, exhibition or other means	
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