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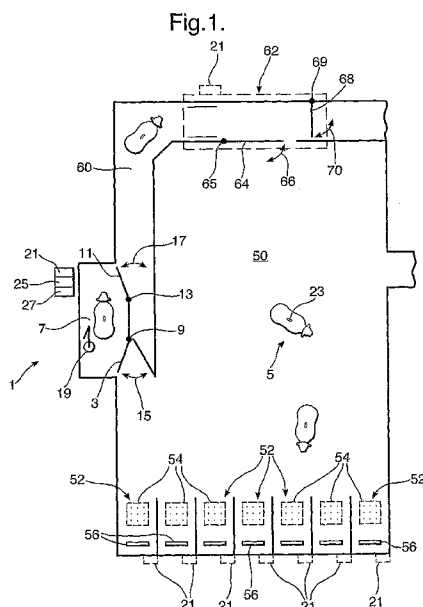
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(54) Title: METHOD AND APPARATUS FOR COOLING AN ANIMAL



(57) Abstract: The present invention relates to a method in which an animal is cooled and to apparatus for cooling an animal, in particular a cow. The method comprises the step of determining the condition of the animal (5) and/or of the environment in which the animal (5) is located. The method is characterised by the further steps of selecting a method of cooling the animal (5), wherein the selected cooling method is chosen on the basis of said determined condition; and cooling the animal with the selected cooling method.

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER
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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)
A01K

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 practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 01/10197 A (LELY RES HOLDING [CH]; VERBURG CARLO [NL]; LELY ALEXANDER V D [NL]; FR) 15 February 2001 (2001-02-15) cited in the application page 2, line 37 - page 3, line 8	1-49
X	EP 1 260 137 A (LELY ENTPR AG [CH]) 27 November 2002 (2002-11-27) abstract	1, 31, 46
X	EP 1 230 851 A (LELY ENTPR AG [CH]) 14 August 2002 (2002-08-14) paragraph [0027]	1, 31, 46
X	US 6 418 728 B1 (MONROE JERRY [US]) 16 July 2002 (2002-07-16) abstract	1-49
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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 98/04121 A (ALFA LAVAL AGRI AB [SE]; BIRK UZI [SE]) 5 February 1998 (1998-02-05) abstract -----	1-49

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/GB2008/002117

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 0110197	A	15-02-2001	AT 293880 T	15-05-2005
			AU 775430 B2	29-07-2004
			AU 6029900 A	05-03-2001
			CA 2344070 A1	15-02-2001
			DE 60019717 D1	02-06-2005
			DE 60019717 T2	09-03-2006
			EP 1119237 A1	01-08-2001
			IL 141934 A	18-12-2005
			JP 2003506054 T	18-02-2003
			NL 1012809 C2	13-02-2001
			NZ 510767 A	31-10-2003
			US 2002124810 A1	12-09-2002
EP 1260137	A	27-11-2002	AU 4434902 A	28-11-2002
			DE 60200237 D1	08-04-2004
			DE 60200237 T2	20-01-2005
			DK 1260137 T3	12-07-2004
			NL 1018146 C2	03-12-2002
			US 2002174837 A1	28-11-2002
EP 1230851	A	14-08-2002	AU 1555102 A	15-08-2002
			CA 2372047 A1	13-08-2002
			DE 60206086 D1	20-10-2005
			DE 60206086 T2	29-06-2006
			DE 60222480 T2	12-06-2008
			DK 1230851 T3	09-01-2006
			DK 1550368 T3	04-02-2008
			EP 1550368 A2	06-07-2005
			JP 2002262689 A	17-09-2002
			NL 1017352 C2	22-08-2002
			US 2002108575 A1	15-08-2002
US 6418728	B1	16-07-2002	NONE	
WO 9804121	A	05-02-1998	AU 3563097 A	20-02-1998
			DE 69726867 D1	29-01-2004
			DE 69726867 T2	28-10-2004
			EP 0915645 A1	19-05-1999
			IL 128246 A	31-10-2001
			JP 2000515757 T	28-11-2000
			US 6079360 A	27-06-2000