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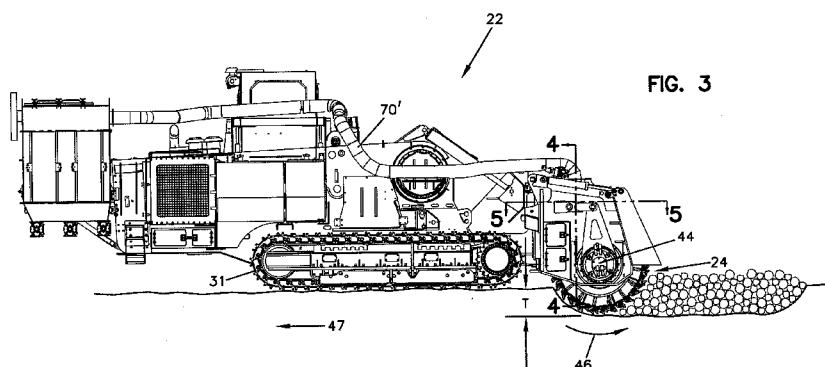
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(54) Title: LOCAL DUST EXTRACTION SYSTEM FOR AN EXCAVATION MACHINE



(57) Abstract: The present disclosure relates to an air cleaning system for an off-road excavation apparatus. The off-road excavation apparatus includes an excavating component and a shroud assembly that at least partially covers the excavating component. The shroud assembly includes a first shroud component and a second shroud component. The first shroud component is moveable relative to the second shroud component to allow access to the excavating component. The air cleaning system draws air from inside the shroud assembly and includes an air cleaner, an air conduit and an air moving device that are all carried by the first shroud component as the first shroud component is moved relative to the second shroud component.

A. CLASSIFICATION OF SUBJECT MATTER***E02F 9/00(2006.01)i, E02F 5/30(2006.01)i, E02F 3/36(2006.01)i, E02F 9/28(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)

E02F 9/00; E02F 7/00; A47L 5/00; B60H 3/06; B66C 23/00; E02F 5/06

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

Korean utility models and applications for utility models

Japanese utility models and applications for utility models

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

eKOMPASS(KIPO internal) & Keywords: dust, shroud, excavation, intake, conduit, air cleaning, air moving.

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X A	JP 2001-323499 A (TAISEI CORP et al.) 22 November 2001 See paragraphs 0013-0014 and figure 1.	13-14, 19-20 1-12, 15-18
A	US 2009-0070954 A1 (TORNO RANDALL CRAIG) 19 March 2009 See paragraphs 0025-0035 and figures 1-6.	1-20
A	JP 2010-052675 A (YANMAR CO LTD) 11 March 2010 See paragraphs 0017-0037 and figures 1, 7.	1-20
A	US 2006-0182591 A1 (JEFFREY K. HACKETT et al.) 17 August 2006 See paragraphs 0036, 0076 and figures 1, 10.	1-20



Further documents are listed in the continuation of Box C.



See patent family annex.

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Date of the actual completion of the international search

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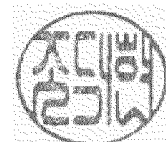
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INTERNATIONAL SEARCH REPORT

Information on patent family members

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
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US 2009-0070954 A1	19.03.2009	US 2008-0010775 A1 US 7958596 B2	17.01.2008 14.06.2011
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