

FIG. 2

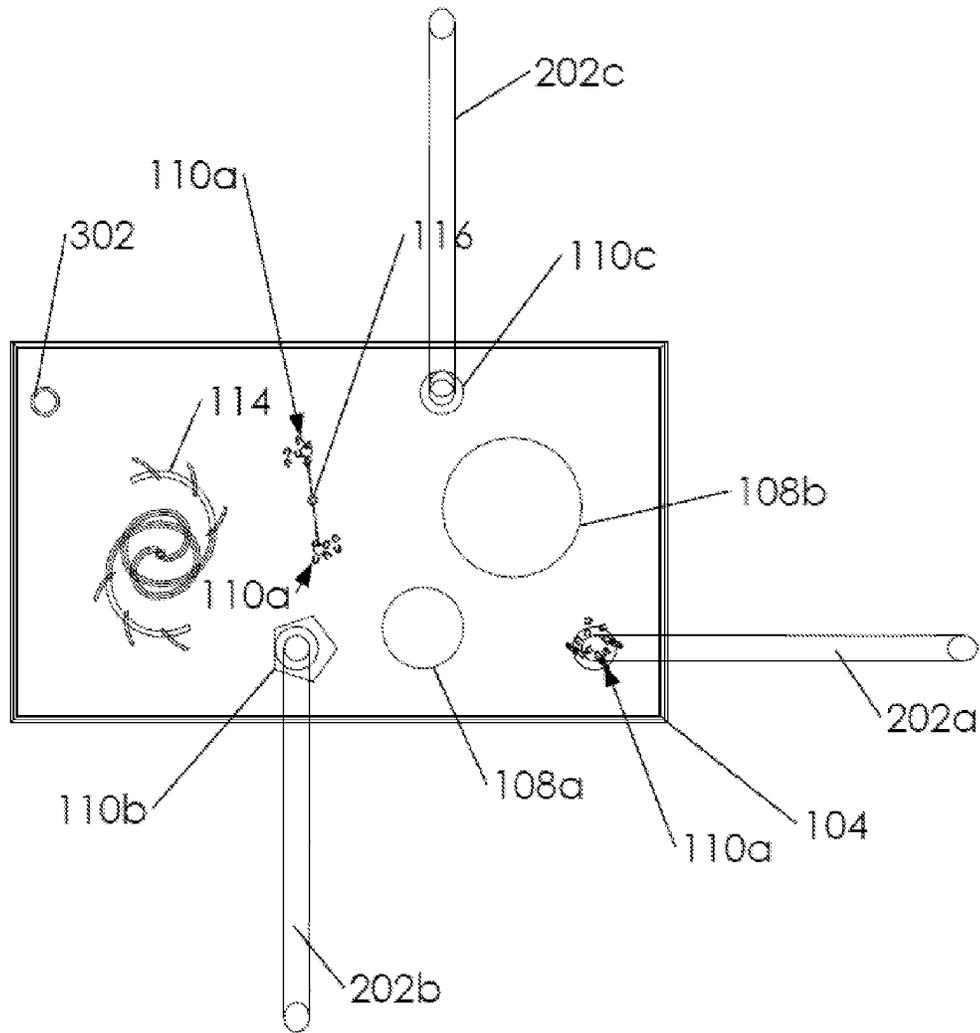


FIG. 3

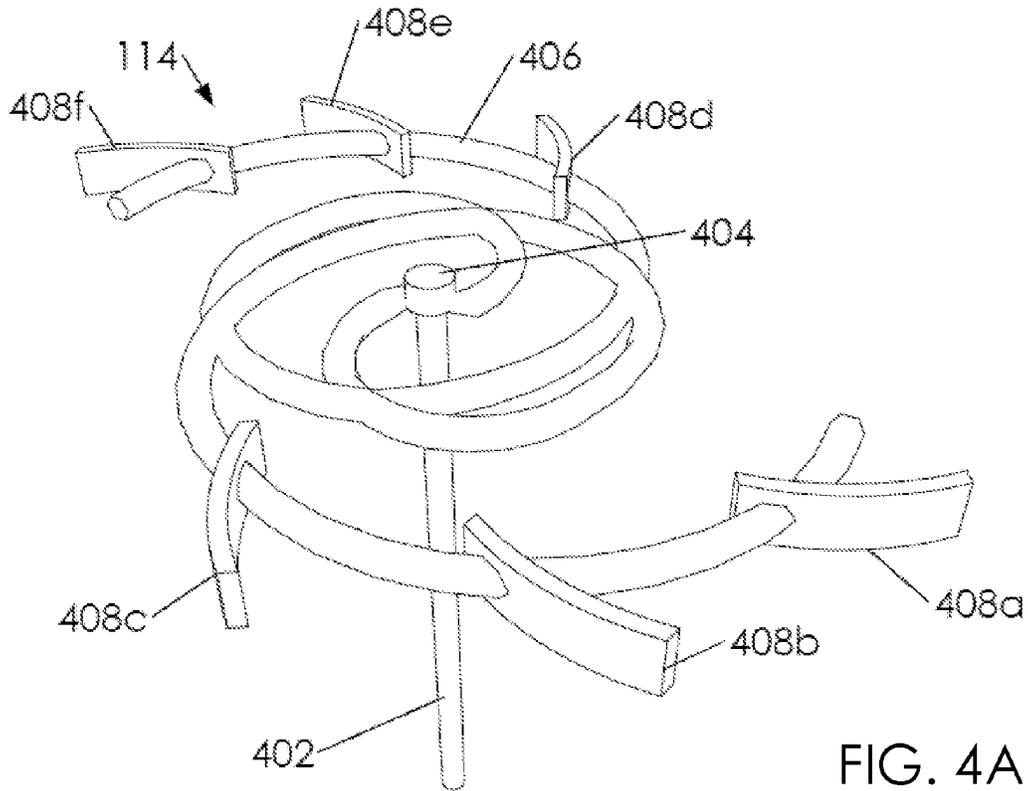


FIG. 4A

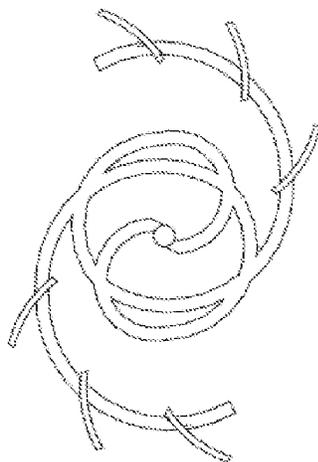


FIG. 4B

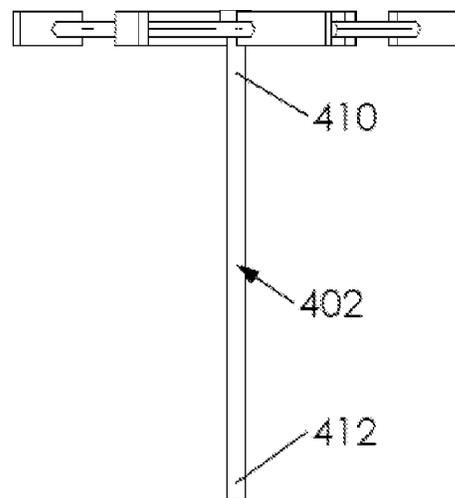


FIG. 4C

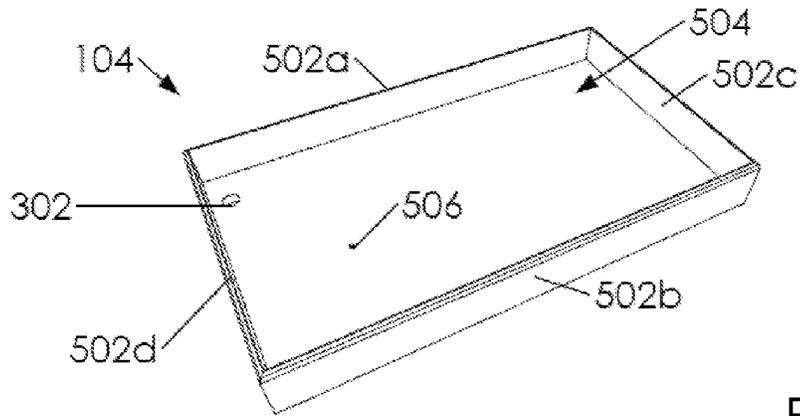


FIG. 5A

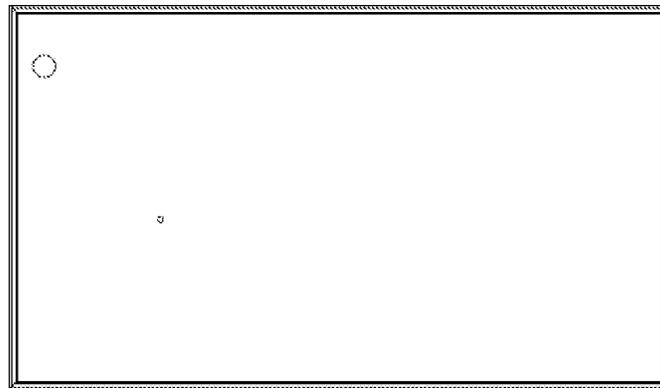


FIG. 5B



FIG. 5C

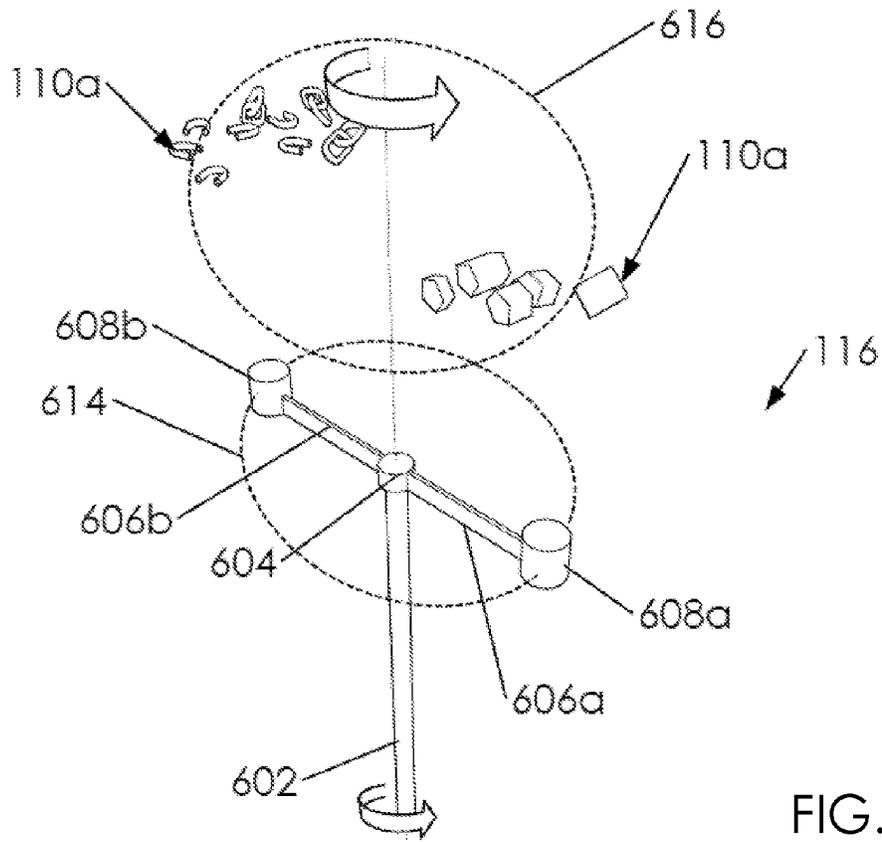


FIG. 6A

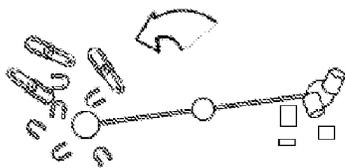


FIG. 6B

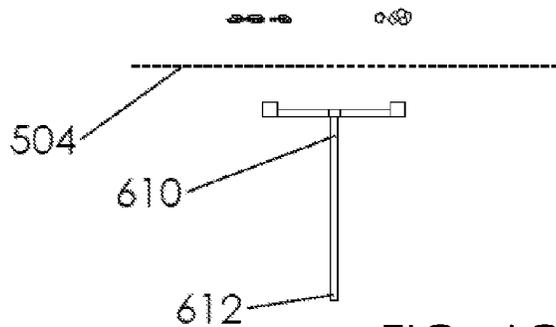


FIG. 6C

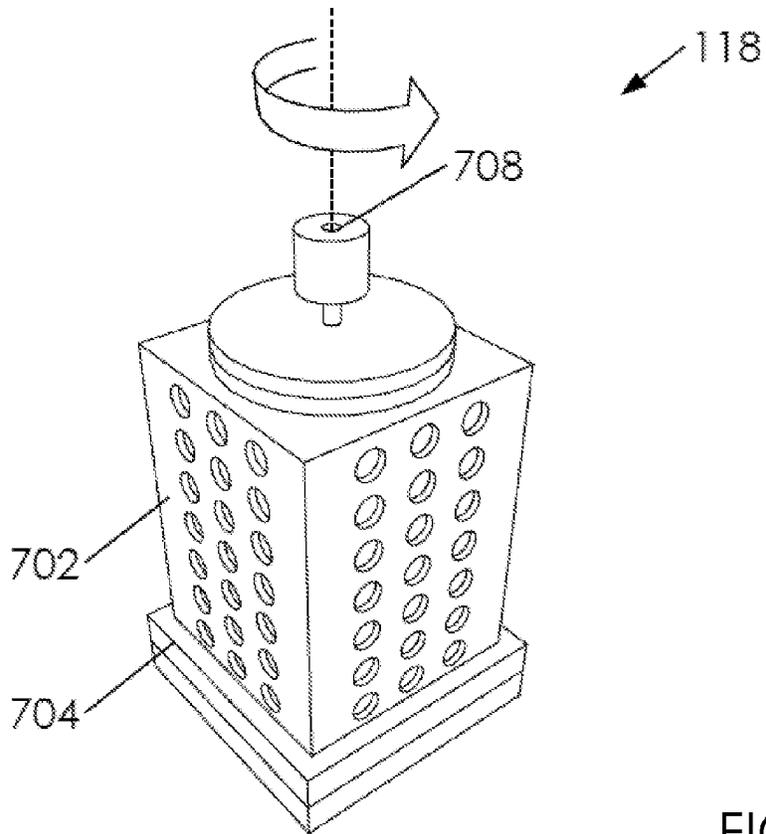


FIG. 7A

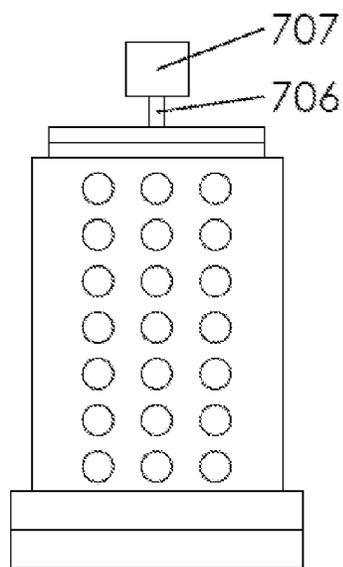


FIG. 7B

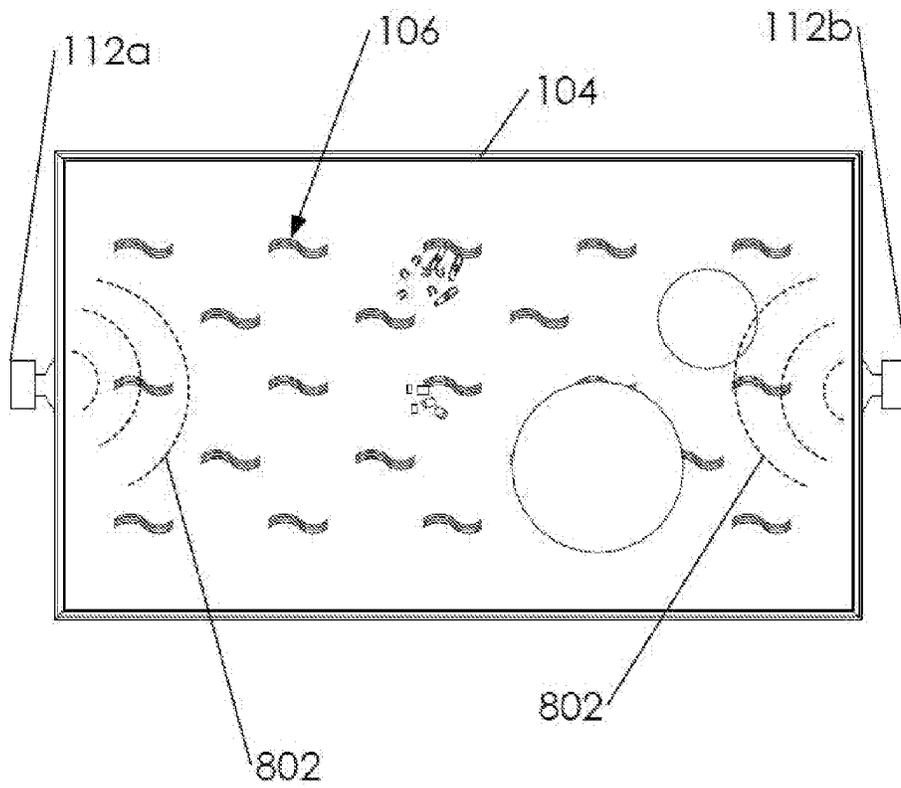


FIG. 8

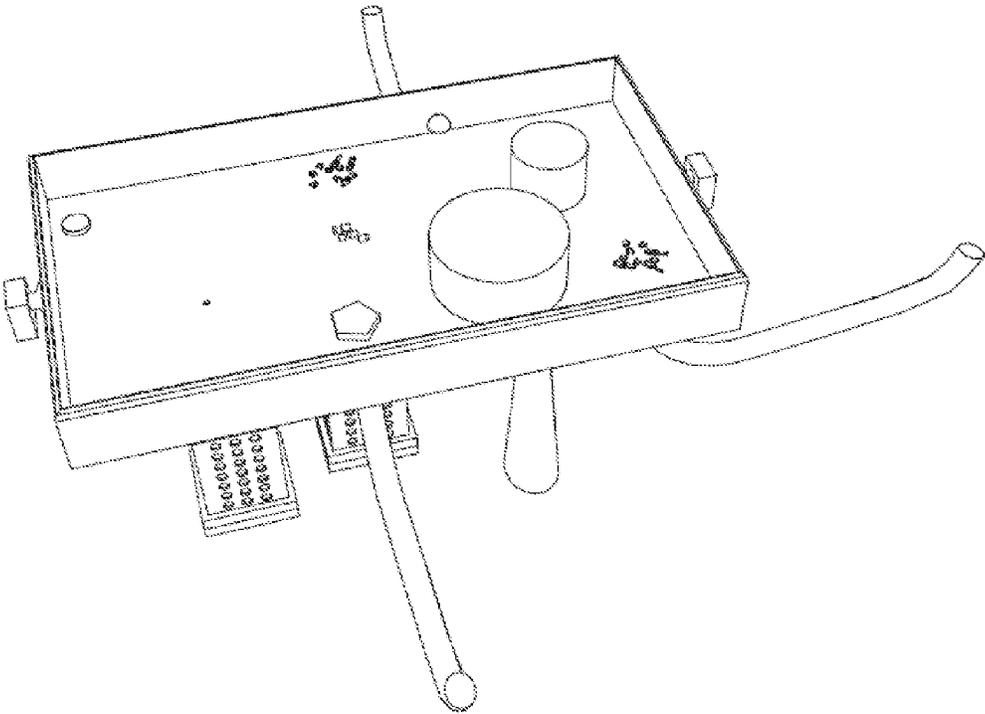


FIG. 9

DYNAMIC ILLUSTRATION GENERATION SYSTEM

BACKGROUND

This disclosure relates generally to a dynamic illustration generation system. None of the previously known inventions and/or patents, taken either singularly or in combination, is seen to describe the instant disclosure as claimed. Accordingly, an improved dynamic illustration generation system would be advantageous.

SUMMARY

A dynamic illustration generation system is disclosed. Said dynamic illustration generation system comprises a tank, a fluid medium, a fluid impeller and a rotary drive source. Said tank having a four walls and a base portion. Said rotary drive source attached to said fluid impeller.

BRIEF DESCRIPTION OF THE DRAWINGS

FIGS. 1A, 1B, 1C and 1D illustrate a perspective overview, an elevated front view, elevated first side view, and an elevated top view of a dynamic illustrator with a support structure.

FIG. 2 illustrates a perspective exploded overview of said dynamic illustrator with said support structure.

FIG. 3 illustrates an elevated top transparent (that is, wire-frame) view of said dynamic illustrator.

FIGS. 4A, 4B and 4C illustrate a perspective overview, an elevated top view and an elevated front side view of said fluid impeller.

FIGS. 5A, 5B and 5C illustrate a perspective overview, an elevated top view and an elevated side view of said tank.

FIGS. 6A, 6B and 6C illustrate a perspective overview, and an elevated top view and front view of said magnetic impeller with one or more of said one or more shards.

FIGS. 7A and 7B illustrate said a perspective overview and an elevated front view of said first driver.

FIG. 8 illustrates an elevated top view of said tank with one or more of said one or more speakers.

FIG. 9 illustrates a perspective overview of said dynamic illustrator without said fluid medium in use.

DETAILED DESCRIPTION

Described herein is a dynamic illustration generation system. The following description is presented to enable any person skilled in the art to make and use the invention as claimed and is provided in the context of the particular examples discussed below, variations of which will be readily apparent to those skilled in the art. In the interest of clarity, not all features of an actual implementation are described in this specification. It will be appreciated that in the development of any such actual implementation (as in any development project), design decisions must be made to achieve the designers' specific goals (e.g., compliance with system- and business-related constraints), and that these goals will vary from one implementation to another. It will also be appreciated that such development effort might be complex and time-consuming, but would nevertheless be a routine undertaking for those of ordinary skill in the field of the appropriate art having the benefit of this disclosure. Accordingly, the claims appended hereto are not intended to be limited by the disclosed embodiments, but are to be accorded their widest scope consistent with the principles and features disclosed herein.

FIGS. 1A, 1B, 1C and 1D illustrate a perspective overview, an elevated front view, elevated first side view, and an elevated top view of a dynamic illustrator **100** with a support structure **102**. In one embodiment, said dynamic illustrator **100** can comprise said support structure **102** holding a tank **104** and a fluid medium **106** in said tank **104**. In one embodiment, said tank **104** can contain a one or more stationary objects and/or a one or more non-stationary objects. In one embodiment, said one or more stationary objects can comprise a first island **108a** and a second island **108b**. In one embodiment, said one or more non-stationary objects can comprise a one or more ferromagnetic objects and/or a one or more non-ferromagnetic objects. In one embodiment, said one or more non-stationary objects can comprise a one or more shards **110a**, a one or more polygons **110b** (not illustrated here) and/or a one or more spheres **110c** (not illustrated here). In one embodiment, said one or more non-stationary objects can move about in said fluid medium **106** within said tank **104**. In one embodiment, said dynamic illustrator **100** can comprise a one or more speakers which can comprise a first speaker **112a**, a second speaker **112b**, a third speaker **112c** and a fourth speaker **112d**. In one embodiment, said one or more speakers can direct sound waves at said tank **104** from below said tank **104** or from a one or more sides of said tank **104**. In one embodiment, said dynamic illustrator **100** can comprise a fluid impeller **114** and a magnetic impeller **116**. In one embodiment, said dynamic illustrator **100** can comprise one or more rotary drivers which can comprise a first driver **118** and a second driver **120**. In one embodiment, said first driver **118** can drive said fluid impeller **114** with a rotary force, and said second driver **120** can drive said magnetic impeller **116**. In one embodiment, said support structure **102** can comprise a top deck **122**, a lower deck **124** and a one or more legs (comprising a first leg **126a**, a second leg **126b**, a third leg **126c**, and a fourth leg **126d**). In one embodiment, said one or more legs can support said top deck **122** and said lower deck **124**. In one embodiment, said lower deck **124** can attach to said one or more legs half way up said one or more legs, and said top deck **122** can attach at a top end of said one or more legs. In one embodiment, said dynamic illustrator **100** can comprise a controller **128** attached to said one or more speakers and/or said one or more rotary drivers with a one or more wires. In one embodiment, said controller **128** can control said one or more speakers and said one or more rotary drivers by sending a one or more electronic signals through said one or more wires. Said one or more wires can attach to said first speaker **112a**, said second speaker **112b**, said third speaker **112c** (not illustrated here), said fourth speaker **112d** (not illustrated here), said first driver **118** and said second driver **120**. In one embodiment, said third speaker **112c**, said fourth speaker **112d**, said first driver **118**, said second driver **120**, and said controller **128** can rest on said lower deck **124**. In one embodiment, said tank **104** can rest on a portion of said top deck **122**.

FIG. 2 illustrates a perspective exploded overview of said dynamic illustrator **100** with said support structure **102**. In one embodiment, said dynamic illustrator **100** can comprise a one or more magnetic handles. In one embodiment, said one or more magnetic handles can comprise a first magnetic handle **202a**, a second magnetic handle **202b** and a third magnetic handle **202c**. In one embodiment, a portion of said one or more magnetic handles can comprise a magnetic head capable of moving one or more of said one or more ferromagnetic objects, which are located within said tank **104**. In one embodiment, said first magnetic handle **202a** can move one or

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more of said one or more shards **110a**, said second magnetic handle **202b** can move one or more of said one or more polygons **110b**, and said third magnetic handle **202c** can move one or more of said one or more spheres **110c**. In one embodiment, said one or more spheres **110c** can comprise a half sphere. In one embodiment, said dynamic illustrator **100** can comprise a plug **204** capable of plugging a drain (not illustrated here). In one embodiment, said support structure **102** can comprise an aperture **220** in said top deck **122**. In one embodiment, a portion of said tank **104** can fit through and into a portion of said aperture **220**. In one embodiment, a portion of said fluid impeller **114** can pass through said aperture **220**.

FIG. 3 illustrates an elevated top transparent (that is, wire-frame) view of said dynamic illustrator **100**. In one embodiment, said tank **104** can comprise a drain **302**. In one embodiment, said one or more magnetic handles can each be used to move a portion of said one or more non-stationary objects. In one embodiment, said one or more non-stationary objects can move around said one or more stationary objects within said tank **104**.

FIGS. 4A, 4B and 4C illustrate a perspective overview, an elevated top view and an elevated front side view of said fluid impeller **114**. In one embodiment, said fluid impeller **114** can stir and/or move said fluid medium **106**. In one embodiment, said fluid impeller **114** can comprise a shaft **402**, a head **404**, a one or more arms **406** and a one or more paddles. In one embodiment, said one or more paddles can comprise a first paddle **408a**, a second paddle **408b**, a third paddle **408c**, a fourth paddle **408d**, a fifth paddle **408e**, and a sixth paddle **408f**. In one embodiment, said shaft **402** can comprise a cylindrical member having first end **410** and a second end **412**. In one embodiment, said second end **412** can attach to said first driver **118**; said first driver **118** can revolve said fluid impeller **114** at said second end **412** of said shaft **402**. In one embodiment, said head **404** can be at said first end **410** of said shaft **402**. In one embodiment, said head **404** can attach to said one or more arms **406**. In one embodiment, said one or more paddles can attach to said one or more arms **406**.

FIGS. 5A, 5B and 5C illustrate a perspective overview, an elevated top view and an elevated side view of said tank **104**. In one embodiment, said tank **104** can comprise a four walls. In one embodiment, said four walls can comprise a first wall **502a**, a second wall **502b**, a third wall **502c** and fourth wall **502d**. In one embodiment, said tank **104** can comprise a base portion **504**. In one embodiment, said base portion **504** can comprise said drain **302** and an aperture **506**. In one embodiment, said aperture **506** can allow a portion of said shaft **402** of said fluid impeller **114** to pass through said base portion **504** of said tank **104**.

FIGS. 6A, 6B and 6C illustrate a perspective overview, and an elevated top view and front view of said magnetic impeller **116** with one or more of said one or more shards **110a**. In one embodiment, said magnetic impeller **116** can comprise a shaft **602**, a head **604**, a one or more arms and a one or more magnetic heads. In one embodiment, said one or more arms can comprise a first arm **606a** and a second arm **606b**, and said one or more magnetic heads can comprise a first magnetic head **608a** and a second magnetic head **608b**. In one embodiment, said shaft **602** can comprise a first end **610** and a second end **612**. In one embodiment, said second driver **120** can attach to said second end **612** of said fluid impeller **114**. In one embodiment, said head **604** can attach to said first end **610** of said magnetic impeller **116**. In one embodiment, said one or more arms/can attach to said head **604** at one end and said one

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or more magnetic heads at another end. In one embodiment, said magnetic impeller **116** can rotate about said shaft **602** and thereby rotate said one or more magnetic heads around in a predefined path **614**. In one embodiment, as said one or more magnetic heads rotate along said predefined path **614**, said one or more polygons **110b** can rotate about a corresponding predefined path **616**. In one embodiment, said one or more shards **110a** can comprise one or more “U” shaped members, one or more chain links, and/or one or more pieces of ferromagnetic material such as shards of metal. In one embodiment, said one or more shards **110a** can be pulled through said fluid medium **106** by said one or more magnetic heads of said magnetic impeller **116**. In one embodiment, said one or more magnetic heads can pull said one or more shards **110a** even through a portion of said tank **104** at said base portion **504**.

FIGS. 7A and 7B illustrate said a perspective overview and an elevated front view of said first driver **118**. In one embodiment, said first driver **118** can comprise a body **702**, a base **704**, a drive shaft **706**, a head **707**, a bit grip **708** and a motor (not illustrated). In one embodiment, said body **702** is free to move slightly (or wobble) relative to said base **704**; accordingly, said first driver **118** can give while twisting said fluid impeller **114** and/or said magnetic impeller **116**. In one embodiment, first driver **118** and said second driver **120** are substantially similar. In one embodiment, said drive shaft **706** can connect said body **702** to said head **707**. In one embodiment, said bit grip **708** can grip a portion of said shaft **602** and/or said shaft **402**. In one embodiment, said first driver **118** and/or said aperture **220** can revolve said head **707** so as to provide a rotary drive source.

FIG. 8 illustrates an elevated top view of said tank **104** with one or more of said one or more speakers. In one embodiment, said one or more speakers can generate a one or more sound waves **802** at or near said tank **104**. In one embodiment, said fluid medium **106** can comprise non-Newtonian fluid. In one embodiment, when said one or more sound waves **802** hit said fluid medium **106**, said fluid medium **106** can stiffen and vibrate generating an aesthetically pleasing visual effect, well known in the art. In one embodiment, when said one or more speakers are running, said one or more non-stationary objects are in motion, and/or said one or more stationary objects stand above said fluid medium **106**, another aesthetically pleasing visual effect can be generated.

FIG. 9 illustrates a perspective overview of said dynamic illustrator **100** without said fluid medium **106** in use. In one embodiment, said dynamic illustrator **100** need not have said fluid medium **10**. In one embodiment, said one or more non-stationary objects and/or said one or more stationary objects can generate an aesthetically pleasing visual effect as can be known in the art.

Various changes in the details of the illustrated operational methods are possible without departing from the scope of the following claims. Some embodiments may combine the activities described herein as being separate steps. Similarly, one or more of the described steps may be omitted, depending upon the specific operational environment the method is being implemented in. It is to be understood that the above description is intended to be illustrative, and not restrictive. For example, the above-described embodiments may be used in combination with each other. Many other embodiments will be apparent to those of skill in the art upon reviewing the above description. The scope of the invention should, therefore, be determined with reference to the appended claims, along with the full scope of equivalents to which such claims are entitled. In the appended claims, the terms “including” and “in which” are used as the plain-English equivalents of the respective terms “comprising” and “wherein.”

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The invention claimed is:

1. A dynamic illustration generation system comprising:
 - a tank having a plurality of retaining walls and a base portion;
 - a fluid medium comprising a non-Newtonian fluid;
 - a fluid impeller;
 - a rotary drive source attached to said fluid impeller;
 - an one or more non-stationary objects within said tank;
 - a one or more magnets;
 - said one or more non-stationary objects comprise ferromagnetic materials attracted to magnets; and
 - said one or more magnets move said one or more non-stationary objects within said tank.
2. The dynamic illustration generation system of claim 1 wherein,
 - a one or more speakers selectively generating one or more sound waves near said tank.
3. The dynamic illustration generation system of claim 2 wherein,
 - said non-Newtonian fluid comprises a washable paint.
4. The dynamic illustration generation system of claim 2 wherein,
 - said one or more speakers abut one or more of said plurality of retaining walls of said tank.
5. The dynamic illustration generation system of claim 2 wherein,
 - said one or more speakers abut said base portion of said tank.
6. The dynamic illustration generation system of claim 1 further comprising,
 - a one or more magnetic handles each having a handle portion and a magnet portion;
 - said magnet portion comprise one or more of said one or more magnets; and
 - said one or more magnetic handles selectively moving a portion of said one or more non-stationary objects.
7. The dynamic illustration generation system of claim 1 wherein,
 - said one or more magnets move along a predefined path and thereby move said one or more non-stationary objects along a corresponding predefined path.
8. The dynamic illustration generation system of claim 7 further comprising,
 - a magnetic impeller having a shaft, a one or more arms, and one or more of said one or more magnets attached to said one or more arms;
 - said magnetic impeller revolves about said shaft; and
 - said predefined path comprises a rotary path of said one or more magnets attached to said one or more arms.
9. The dynamic illustration generation system of claim 1 further comprising,
 - one or more non-stationary objects comprising non-ferromagnetic materials not attracted to magnets.
10. The dynamic illustration generation system of claim 9 wherein, said one or more nonstationary objects comprising non-ferromagnetic materials not attracted to magnets comprise golf balls.

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11. The dynamic illustration generation system of claim 1 further comprising,
 - a one or more speakers; and
 - a control system attached to said one or more speakers.
12. The dynamic illustration generation system of claim 1 further comprising,
 - a one or more rotary drivers providing said rotary drive source; and
 - a control system attached to said one or more rotary drivers.
13. The dynamic illustration generation system of claim 1 further comprising,
 - a one or more rotary drivers providing said rotary drive source.
14. The dynamic illustration generation system of claim 1 further comprising,
 - a one or more stationary objects having a height greater than a depth of said fluid medium; wherein,
 - said one or more stationary objects are fixed to a portion of said tank.
15. A dynamic illustration generation system comprising:
 - a tank having a plurality of retaining walls and a base portion;
 - a fluid medium;
 - a fluid impeller;
 - a rotary drive source attached to said fluid impeller;
 - said fluid medium comprises a non-Newtonian fluid;
 - a one or more speakers selectively generating one or more sound waves near said tank;
 - an one or more non-stationary objects within said tank; and
 - a one or more magnets; wherein,
 - said one or more non-stationary objects comprise ferromagnetic materials attracted to magnets, and
 - said one or more magnets move said one or more non-stationary objects within said tank.
16. A dynamic illustration generation method comprising:
 - filling a tank with a fluid medium,
 - attaching a fluid impeller attached to a rotary drive source, and
 - stirring said fluid medium with said fluid impeller; and
 - wherein,
 - said tank having a plurality of retaining walls and a base portion,
 - said fluid medium comprising a non-Newtonian fluid,
 - said rotary drive source attached to said fluid impeller,
 - an one or more non-stationary objects within said tank,
 - a one or more magnets,
 - said one or more non-stationary objects comprise ferromagnetic materials attracted to magnets, and
 - said one or more magnets move said one or more non-stationary objects within said tank.
17. The dynamic illustration generation method of claim 16 further comprising
 - generating a one or more sound waves near said tank with a one or more speakers.
18. The dynamic illustration generation method of claim 16 further comprising
 - moving one or more one or more non-stationary objects in said support structure with one or more magnets.

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