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- (71) Applicant (for all designated States except US):
AMUKON KABUSHIKI KAISHA [JP/JP]; 1926, Nip-
pa-cho, Kohoku-ku, Yokohama-shi, Kanagawa, 2230057
(JP).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **KANEKO, Kazuo**
[JP/JP]; 40-14, Nishikawashima-cho, Asahi-ku, Yoko-
hama-shi, Kanagawa, 2410012 (JP). **TEZUKA, Yusuke**
[JP/JP]; 3-3-9-1, Nakatakita, Izumi-ku, Yokohama-shi,
Kanagawa, 2450012 (JP). **NAKAMURA, Yoshitaka**
[JP/JP]; Maison de soleil #102, 5-27-7, Shinyoshidahi-
gashi, Kohoku-ku, Yokohama-shi, Kanagawa, 2230058
(JP). **KADOWAKI, Yuki** [JP/JP]; Petitohouse Sakakura

#103, 5-79-5, Shinyoshidahigashi, Kohoku-ku, Yokohama-
shi, Kanagawa, 2230058 (JP). **KOBAYASHI, Hirokazu**
[JP/JP]; 350-62, Kamisoyagi, Yamato-shi, Kanagawa,
2420029 (JP).

(74) Agents: **FUJITA, Akira** et al.; KD Building 5F, 25-5,
Yotsuya 4-chome, Shinjuku-ku, Tokyo, 1600004 (JP).

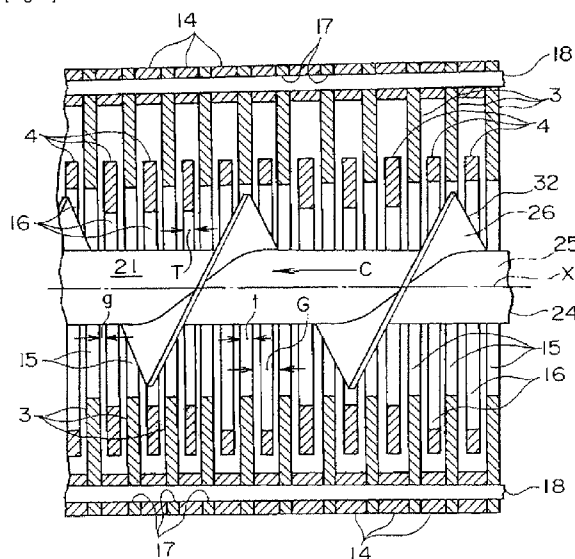
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(54) Title: SOLID-LIQUID SEPARATION DEVICE

[Fig. 5]



(57) Abstract: A solid-liquid separation device in-
cludes a plurality of fixed members and movable mem-
bers that are movably disposed between the adjacent
fixed members, and moreover a screw extending
through the fixed members and the movable members
in a state where the screw is not in contact with the
fixed members and the movable members. The screw is
rotationally driven about a center axis line thereof. Fol-
lowing the rotation of the screw, an object to be treated
that has penetrated into a solid-liquid separation portion
demarcated by the fixed members and the movable
members is caused to move toward an outlet of the
solid-liquid separation portion, a filtrate separated from
the object is discharged to the outside of the solid-li-
quid separation portion through filtrate discharge gaps
between the fixed members and the movable members,
and the object that has a reduced liquid content ratio is
discharged from the outlet to the outside of the solid-li-
quid separation portion. In order to increase signifi-
cantly a dewatering ratio of the object, the movable
members are formed to move while penetrating closer
to the center axis line of the screw than an outer cir-
cumferential edge of the blade of the screw, without
coming into contact with the screw.



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