

[Document Name] Abstract

CONGESTION MANAGEMENT APPARATUS, CONGESTION
MANAGEMENT PROGRAM, AND CONGESTION MANAGEMENT METHOD

5 A congestion management apparatus includes
an option generating unit configured to generate
action options by time slot for a user; a choice
probability calculating unit configured to calculate
for each of the action options generated by the
option generating unit, choice probabilities of the
10 action options with respect to the user; a memory
configured to store, on a per-action-option basis,
upper limits on numbers of users allowed to be
guided to actions indicated by the action options;
and an estimated number calculating unit configured
15 to calculate for each of the action options,
estimated numbers of previous users assumed to have
selected the action options, based on choice
probabilities of each of the action options with
respect to the previous users, wherein the option
20 generating unit is configured to extract, based on
the upper limits and the estimated numbers for the
action options, action options to be presented to
the user.

FIG. 11