



1680 Prospect Drive, Suite 100
Richardson, TX 75081

Title	Serial No. Filing Date	Patent No. Issue Date
Providing Awareness in a Hospitality Environment	August 18, 2014	May 17, 2016
Set-Top Box, System and Method for Providing Awareness in a Hospitality Environment	14/461,479 August 18, 2014	9,357,254 May 31, 2016

And Enseo reserves all rights in any and all continuing patent applications, continuations, divisionals, continuation-in-parts, re-examined patents, re-issued patents, published patent applications, unpublished patent applications and the like.

Enseo reserves all rights to pursue additional patent protection and to update this listing from time-to-time. Should you have any questions regarding this letter or Enseo's intellectual property, please do not hesitate to contact the undersigned.

Respectfully,

A handwritten signature in blue ink, appearing to read "Ed Wolfe".

Ed Wolfe
Senior Vice President, IP and Contract Strategy
Enseo, Inc.

cc: Vanessa Ogle, CEO, Enseo, Inc.

THE UNIVERSITY OF CHICAGO

PHYSICS DEPARTMENT

PHYSICS 311

LECTURE 10

PROBABILITY

The probability of an event occurring is a number between 0 and 1, inclusive.

For two events A and B, the probability of both occurring is given by P(A and B) = P(A)P(B) if A and B are independent. If A and B are not independent, then P(A and B) = P(A)P(B|A) = P(B)P(A|B).

The probability of either event A or event B occurring is given by P(A or B) = P(A) + P(B) - P(A and B).

The probability of event A occurring given that event B has occurred is given by P(A|B) = P(A and B) / P(B).

The probability of event B occurring given that event A has occurred is given by P(B|A) = P(A and B) / P(A).

The probability of event A occurring is given by P(A) = P(A and B) + P(A and not B).

The probability of event B occurring is given by P(B) = P(A and B) + P(not A and B).

The probability of event A or B occurring is given by P(A or B) = P(A) + P(B) - P(A and B).

The probability of event A occurring and event B not occurring is given by P(A and not B) = P(A) - P(A and B).

The probability of event A not occurring and event B occurring is given by P(not A and B) = P(B) - P(A and B).

The probability of event A occurring and event B not occurring is given by P(A and not B) = P(A) - P(A and B).



1680 Prospect Drive, Suite 100
Richardson, TX 75081

May 2, 2017

Via Certified Mail (RRR) – Confirmation by First Class Mail

HTNG

Attn: Hotel Systems Dashboard Work Group
650 E. Algonquin Road, Suite 207
Schaumburg, Illinois 60173

Re: Hotel Systems Dashboard Work Group
Full Reservation of Rights by Enseo Inc. (“Enseo”)

Dear Madam/Sir:

As a member of the HTNG, Enseo understands that the Hotel Systems Dashboard Work Group is working on the following project:

The workgroup will define the requirements for a comprehensive dashboard system, including various levels of information – ranging from high level system information, to detailed technical data that are required to troubleshoot issues with hotel systems. This system will allow hoteliers to quickly understand the significance an outage (for example, an AP outage that affects a single room, or a core switch outage that affects the entire infrastructure), and for the appropriate technical information to be available to IT personnel to troubleshoot or share with partners and vendors to quickly solve the issue. The dashboard will also collect and retain long term data to enable hotels to forecast and take appropriate action. The solution should be open so that any networked system could interface (integrate) with the hotel system dashboard.

INTELLECTUAL PROPERTY CLAIM

By providing this document to HTNG, Enseo certifies that Enseo owns and has the right to use the intellectual property listed below and that Enseo does **not** grant the rights to use and/or distribute and/or modify its intellectual property. Enseo fully reserves all rights, including the right to seek any royalties or impose restrictions on such use.

Enseo issued patents:

Title	Serial No. Filing Date	Patent No. Issue Date
Set-Top Box, System for Providing Awareness in a Hospitality Environment	14/461,484 August 18, 2014	9,332,304 May 3, 2016
Set-Top Box, System and Method for	14/461,492	9,344,757

RESERVATION OF RIGHTS (5/2/17)

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