

Abstract

Along with the aircraft industry competition intensifies, PT Dirgantara Indonesia participated create a new concept seater aircraft that is the best N-245. Conceived of the CN-235 aircraft are expected to compete in the 45-72 passenger aircraft market. In contrast to its predecessor the CN-235, N-245 aircraft has changed in terms of function, namely as a commercial passenger aircraft. This change makes the best concept should be based on passenger comfort. Because this concept also change the interior air must be considered. Included in the baggage on the plane (Hatrack) should be designed as comfortable as possible. Because Hatrack is a product that needs legal attention that in this case a patent, then to design a legal notice shall Hatrack from competitors. TRIZ is a method to produce a solution of design problems using a variety of patent analysis. By using TRIZ trimming around the design will allow to create a new design with competitor patent so that the new design does not violate legal other competitors.

Keyword: *Design Around, TRIZ, Trimming, Patent Search.*