

Title (en)

Safety nets for alerting of hazardous situations in air traffic

Title (de)

Sicherheitsnetzwerk zur Warnung vor gefährlichen Situationen im Luftverkehr

Title (fr)

Réseau de sécurité pour prévenir de situations dangereuses dans la circulation aérienne

Publication

EP 1517281 A2 20050323 (EN)

Application

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Priority

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- EP 03025695 A 20031107

Abstract (en)

The present invention relates to a system and a method for alerting of a potentially hazardous situations in air traffic on the basis of surveillance data wherein predicted conflicts are identified based on the prediction of future air traffic situations. A basic idea of the present invention consists of defining a stochastic model for trajectory prediction in which the uncertainty of the prediction is represented as a function of the prediction time. The stochastic model for predicting trajectories is preferably used to construct a stochastic model for conflict prediction. In the latter model, probabilities of conflict are compared to minimum confidence levels and allow to decide whether a given predicted situation is a predicted conflict or not. <IMAGE>

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G08G 5/04

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Cited by

CN113566653A; CN115064009A; EP1780512A1; US11532238B2; US9898934B2; US10347142B2

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