US 20150139094A1

(19) United States

(12) Patent Application Publication

Zirwas et al.

(10) Pub. No.: US 2015/0139094 A1

(43) Pub. Date: May 21, 2015

(54) METHOD OF REPORTING CHANNEL STATE INFORMATION

(75) Inventors: **Wolfgang Zirwas**, Munich (DE); **Michael Faerber**, Wolfratshausen (DE); **Simone Redana**, Munich (DE); **Bernhard Raaf**, Neuried (DE)

(73) Assignee: **Nokia Solutions and Networks Oy**, Espoo (FI)

(21) Appl. No.: **14/391,113**

(22) PCT Filed: **Apr. 12, 2012**

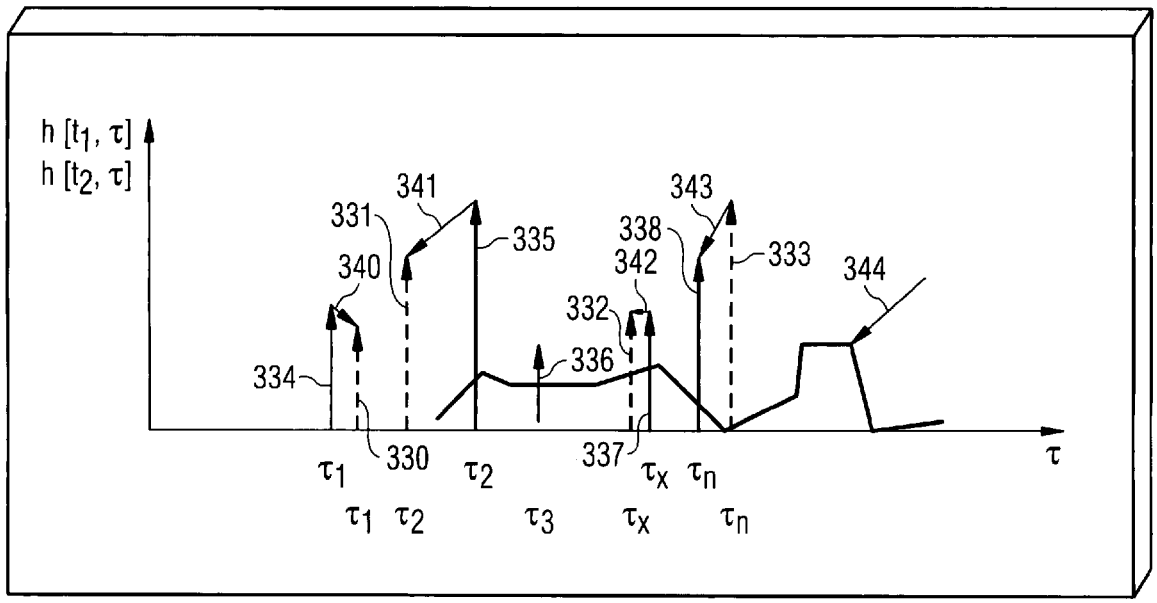
(86) PCT No.: **PCT/EP2012/056689**

§ 371 (c)(1), (2), (4) Date: **Oct. 7, 2014**

**Publication Classification**

(51) **Int. Cl.**
*H04L 5/00* (2006.01)

(52) **U.S. Cl.**
CPC ..... *H04L 5/0048* (2013.01)

(57) **ABSTRACT**

A method of reporting channel state information from a network element to a further network element of a communication network is provided, wherein the method includes decomposing the channel state information into different portions wherein the different portions correspond to channel state information varying on different time scales, and reporting at least one portion of the decomposed channel state information to a further network element.