CENTRUM TRANSFERU TECHNOLOGII POLITECHNIKI POZNAŃSKIEJ

Invitation to tender for a license / purchase of rights to solution from Poznań University of Technology entitled:

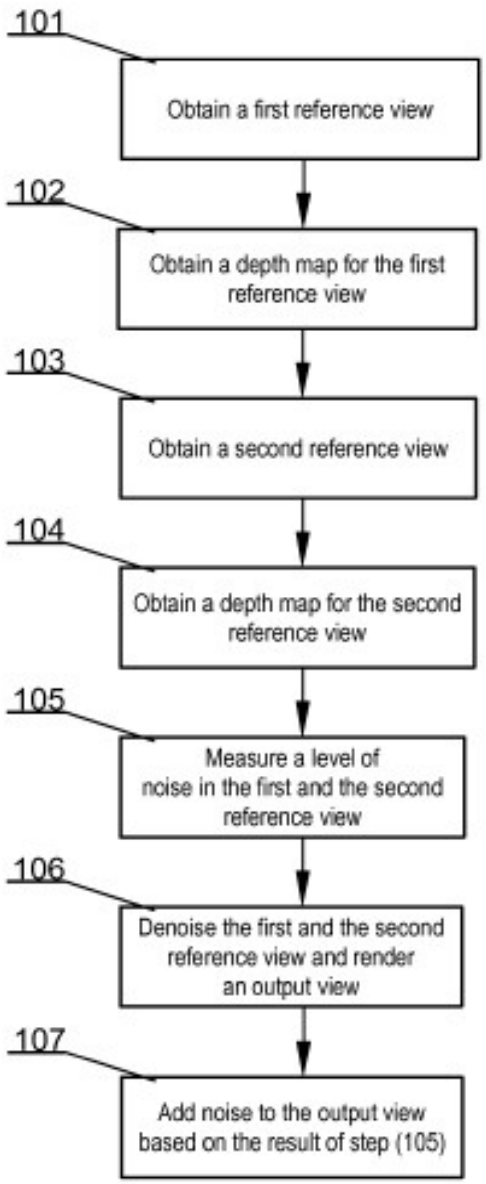
**A system and a method for depth-image-based rendering**

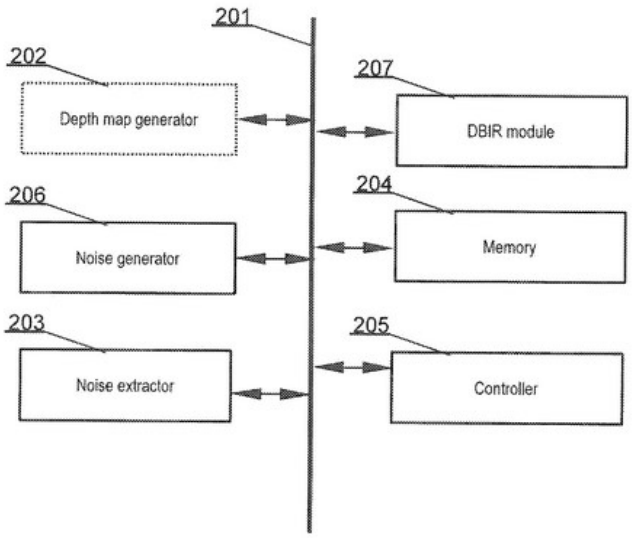
Type of solution

Invention

Idea of solution

A method for depth-image-based rendering, the method comprising the steps of: obtaining (101) a first reference view; obtaining (102) a depth map for the first reference view; obtaining (103) a second reference view; obtaining (104) a depth map for the second reference view; the method further comprising the steps of extracting noise (105) present in the first and the second reference views; denoising (106) the first and the second reference views and, based on the denoised first and second reference views, rendering an output view using depth-image-based rendering; adding (107) the extracted noise to the output view.

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| Solution advantages / Market advantage |
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| The invention relates to a system and method for depth-image-based rendering. In particular, the present invention relates to management of noise present in images used for virtual view synthesis, in particular in stereoscopic images. The present invention provides improved quality of DIBR as well as output noise levels substantially similar to the noise level present in the source, reference image(s). |
| Clients |
| Companies dealing with Virtual Reality systems, multi-view sequence compression, Free Viewpoint Television (FTV). |
| Technology Readiness Level (TRL) |
| TRL 3 - experimental proof of concept |
| Status of legal protection |
| Patent no. EP 3110149, Validated in: PL, DE, FR, GB<br>https://patents.google.com/patent/EP3110149A1/en?oq=EP+3110149<br>Patent no. US 9582859<br>https://patents.google.com/patent/US9582859B2/en?oq=US9582859B2 |
| Preferred form of commercialization |
| Non-exclusive license<br>Exclusive license<br>Sale of patent rights<br>Spin-off company<br>R&D and implementation projects |
| Form of transfer of rights |
| Patent documentation. |
| Additional information |
| 1. This Invitation to submit offers does not constitute an offer within the meaning of the provisions of the Civil Code.<br>2. Poznan University of Technology will reject the offer if it contains an abnormally low price in relation to the value of the solution.<br>3. Poznan University of Technology, in order to determine whether the offer contains an abnormally low price in relation to the value of the solution, will ask the Tenderer to provide explanations within a specified time limit regarding the elements of the offer affecting the price.<br>4. If in the competition procedure it is not possible to select the best offer due to the fact that offers of the same price have been submitted, the Poznan University of Technology will call the Tenderers who submitted these offers to submit additional offers within the time limit specified by the Poznan University of Technology.<br>5. Poznan University of Technology reserves the right to cancel the competition procedure if the submitted offers contain prices whose value will not exceed the value of the solution.<br>6. Poznan University of Technology reserves the right to negotiate with selected Bidders.<br>7. Poznan University of Technology has the right to withdraw from the procedure without giving any reason, without choosing an offer.<br>8. The conclusion of the contract is conditional on the fulfillment of procedures provided for by legal regulations applicable to universities. |
| Method of submitting offers |
| Offers should be submitted in Polish, in writing to the address of the Technology Transfer Center of the Poznan University of Technology or electronically to the unit's e-mail address. |

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| Contact details |
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