

*Samsung Electronics Co., Ltd. et al., Petitioner*

*v.*

*Image Processing Technologies, LLC, Patent Owner*

IPR2017-00353

Patent No. 8,983,134

Patent Owner's Demonstratives

February 21, 2018 Oral Argument

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# Two Instituted Grounds

It is, therefore,

ORDERED that, pursuant to 35 U.S.C. § 314(a), an *inter partes* review of the '134 patent is hereby instituted on the following grounds:

- A. Obviousness of claims 1 and 2 over Gilbert and Hashima; and
- B. Obviousness of claims 1 and 2 over Ueno and Gilbert;

FURTHER ORDERED that no other grounds are authorized for this *inter partes* review other than those specifically identified above; and

# '134 Patent Claim 1

**[1pre]** A process of tracking a target in an input signal implemented using a system comprising an image processing system, the input signal comprising a succession of frames, each frame comprising a succession of pixels, the target comprising pixels in one or more of a plurality of classes in one or more of a plurality of domains, the process performed by said system comprising, on a frame-by-frame basis:

**[1a]** forming at least one histogram of the pixels in the one or more of a plurality of classes in the one or more of a plurality of domains, said at least one histogram referring to classes defining said target; and

**[1b]** identifying the target in said at least one histogram itself,

**[1c]** wherein forming the at least one histogram further comprises determining X minima and maxima and Y minima and maxima of boundaries of the target.

# '134 Patent Claim 1

**[1pre]** A process of tracking a target in an input signal implemented using a system comprising an image processing system, the input signal comprising a succession of frames, each frame comprising a succession of pixels, the target comprising pixels in one or more of a plurality of classes in one or more of a plurality of domains, the process performed by said system comprising, on a frame-by-frame basis:

**[1a]** forming at least one histogram of the pixels in the one or more of a plurality of classes in the one or more of a plurality of domains, said at least one histogram referring to classes defining said target; and

**[1b]** identifying the target in said at least one histogram itself,

**[1c]** wherein forming the at least one histogram further comprises determining X minima and maxima and Y minima and maxima of boundaries of the target.

# Definition of “Forming”

## American Heritage College Dictionary (1997)

Form (v): “to give form to; shape.”

“to shape or mold (dough, for example) into a particular form.”

## The Random House Webster’s College Dictionary (1998)

Form (v.t.): “to construct or frame.”

“to make or produce.”

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