

UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

CMS CEP COR LTD., AND CMS CEP COR AMERICAS LLC
Petitioner,

v.

SANDVIK INTELLECTUAL PROPERTY AB
Patent Owner.

Patent No. 11,014,090

Inter Partes Review No. IPR2024-01381

PATENT OWNER'S OBJECTIONS TO DEMONSTRATIVES

Patent Owner hereby objects to the demonstrative exhibits submitted by Petitioner in the above-captioned proceeding. In accordance with the Board's Order Setting Oral Argument (Paper 40), these objections are being timely filed and served ahead of the hearing scheduled for January 13, 2026. Patent Owner has met and conferred with Petitioner, but the parties were unable to resolve the objections below.

Pursuant to Board's Order Setting Oral Argument (Paper 40), the objections "shall identify with particularity which portions of the demonstratives are subject to objection (and should include a copy of the objected-to portions) and include a one (1) sentence statement of the reason for each objection. No argument or further explanation is permitted." The following is an inclusion of the objected-to demonstratives, as well as an identification of the portions being objected to and a statement of the reason for each objection:

- **Slide 3**: Patent Owner objects to the third bullet point in Slide 3, because Petitioner is raising a new and unsupported argument on sur-reply that the field of endeavor is "main shaft assemblies for rock crushers."

Level of Skill & Field of Endeavor

- For purposes of this Petition, a person having ordinary skill in the art would be a person who has a bachelor's degree in mechanical engineering or a related field, and at least 2 years of experience with industrial equipment design and development. A POSITA may also have a combination of more formal education and less work experience or a combination of less/different formal education and more work experience. Paper 2, p. 3 (citing Ex. 1002, at ¶ 29).
- Patent Owner's Expert does not object to the above level of skill.
- Field of endeavor is main shaft assemblies for rock crushers. Paper 47, p. 3; Ex. 1001 at 1; Ex. 1018 at 1.



PETITIONERS' DEMONSTRATIVE EXHIBIT – NOT EVIDENCE

EXHIBIT 1066 SLIDE 3

- **Slide 7:** Patent Owner objects to Slide 7, because Petitioner is raising new and unsupported arguments as to the problems to which the '090 Patent and Piepho are directed and the motivation to combine references.

Motivation Continued

- Piepho similar to the '090 Patent is directed to increasing the life of the main shaft of a rock crusher, and would lend itself to consideration in solving that problem.
- Piepho teaches that a tapered shaft is preferable, and a POSITA would understand that the tapered shaft is preferable because it makes it easier and faster to replace a bushing, with less damage to the main shaft.
- Piepho also lends itself to consideration and solving the problem addressed by the '090 Patent.
- Yagi is directed to using hydraulics to seat and unseat bushings on tapered shafts, and lends itself to consideration in solving the problem addressed by the '090 Patent.



DEMONSTRATIVE EXHIBIT – NOT EVIDENCE

EXHIBIT 1066 SLIDE 7

- **Slide 26:** Patent Owner objects to slide 26, because Petitioner has never argued that the “consisting of” transitional phrase is “easier to invalidate against prior art” and this argument is unsupported by the record.

Inclusion of “Consisting Of” (Paper 47, p. 11)

- MPEP 2111.03 provides for "**consisting of**" **being closed**, strictly limiting the invention to *only* the recited elements, excluding anything else.
- A claim with "consisting of" is much narrower and therefore easier to invalidate against prior art, whereas "comprising" offers broader protection, as seen in MPEP 2111.03..
- While the use of “consisting of” may defeat anticipation, such claims may still be obvious if obvious to omit or modify the extra elements.
- Yagi teaches grooves in the shaft. Modifying the number of grooves is an obvious change.



DEMONSTRATIVE EXHIBIT – NOT EVIDENCE

EXHIBIT 1066 Slide 26

Dated: January 12, 2026

Respectfully submitted,

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IPR2024-01381
Patent No. 11,014,090

Certificate of Service (37 C.F.R. § 42.6(e)(4))

I hereby certify that the attached PATENT OWNER'S OBJECTIONS TO
DEMONSTRATIVES was served as of the below date via e-mail (by agreement)
to the following counsel of record for Petitioner:

Terry M. Sanks
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litigation@firstiniplaw.com

Dated: January 12, 2026

/Mehran Arjomand/
Mehran Arjomand