FORM 2

THE PATENTS ACT 1970

(39 of 1970)

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THE PATENT RULES, 2003

COMPLETE SPECIFICATION

(See section 10 and rule 13)

1. TITLE OF THE INVENTION: -

SAW APP: AN INTEGRATED PLATFORM FOR VIDEO PROFILE-BASED RECRUITMENT AND REAL-TIME ASSESSMENT

2. Applicant(s)

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3. PREAMBLE OF THE DESCRIPTION

The following specification particularly describes the invention and the manner in which it is to be performed

TITLE OF THE INVENTION

Saw App: An Integrated Platform for Video Profile-Based Recruitment and Real-Time Assessment

FIELD OF THE INVENTION

5   The invention pertains to recruitment technologies, specifically a mobile and web-based application designed to facilitate hiring through video profiles, live coding assessments, and anonymized interviews. It enhances the recruitment process by integrating real-time communication tools, group broadcasting channels, and robust content moderation.

BACKGROUND OF THE INVENTION

10   Traditional recruitment methods often rely on static resumes, which lack the capability to effectively communicate a candidate's soft skills, personality, and real-time problem-solving abilities. This limitation is particularly evident in technical hiring, where recruiters need deeper insights into a candidate's coding skills, adaptability, and communication.

Existing platforms provide fragmented solutions—some focus on static profile browsing,
15   others offer isolated assessment tools or communication features. These disjointed systems result in inefficiencies for both recruiters and job seekers, particularly when transitioning between multiple platforms for assessments, interviews, and feedback.

The **Saw App** bridges these gaps by offering a comprehensive platform where job seekers can create video profiles, participate in live coding assessments, and engage in real-time

interactions with recruiters. By integrating anonymity features, the app further supports educational use cases, enabling users to learn from anonymized interview scenarios while preserving privacy.

SUMMARY OF THE INVENTION

5   The **Saw App** is an innovative recruitment platform that combines video profiles, live coding assessments, video calling, screen sharing, and anonymized interviews into a single interface. Candidates create 30-second video profiles showcasing their skills, experiences, and personalities. Recruiters can quickly browse these profiles using filters such as skills, location, and industry.

10   For technical roles, the app features a built-in live coding environment with syntax highlighting and real-time evaluation. Integrated video calling and screen sharing enhance communication during interviews, allowing candidates to demonstrate portfolios or technical expertise. Anonymized interviews provide a unique learning opportunity by sharing interview experiences without revealing identities.

15   The app includes broadcasting channels for group communication, enabling real-time discussions, Q&A sessions, and resource sharing. Its robust technical architecture, built on the MERN stack, ensures scalability and security, while WebSocket protocols enable real-time interactions.

ADVANTAGES OF THE INVENTION

1. **Comprehensive Platform**: Combines video profiles, assessments, and communication tools in one application.

2. **Enhanced Candidate Insights**: Video profiles and live assessments provide a deeper understanding of candidates.

3. **Anonymity and Learning**: Anonymized interviews offer educational benefits while preserving privacy.

4. **Interactive Community**: Broadcasting channels facilitate knowledge sharing and networking.

5. **Scalable Architecture**: Built on a robust MERN stack for seamless performance across multiple users.

DETAILED DESCRIPTION OF THE INVENTION

The **Saw App** revolutionizes the recruitment process by integrating video-based profiles, real-time assessments, and interactive tools into a single platform. Users begin by creating short, 30-second video profiles through the in-app camera or by uploading pre-recorded videos. These profiles enable job seekers to highlight their skills, experiences, and personality, offering recruiters a more holistic evaluation than traditional resumes. A robust content moderation system ensures professionalism and adherence to community guidelines.

For technical roles, the app features a live coding assessment environment. Recruiters can conduct real-time coding sessions with candidates, using tools such as syntax highlighting, error detection, and performance evaluation. Integrated video calling and screen sharing

functionalities allow recruiters and candidates to discuss portfolios, present technical solutions, or collaborate on projects, creating a seamless interview experience without external tools.

The app's anonymized interview feature enables live streaming of real interviews while masking the identities of both participants. With user consent, anonymized interviews are shared as educational resources, offering valuable insights into interview strategies, typical questions, and candidate responses. This feature enhances user preparedness while maintaining privacy through granular control over shared content.

Broadcasting channels, inspired by platforms like Slack and Discord, facilitate group communication on topics such as job-seeking tips and interview preparation. Channels can be public, private, or company-specific, providing a versatile space for discussions, Q&A sessions, and community support. The app's backend, built on the MERN stack, ensures high performance and security, employing JWT-based authentication and end-to-end encryption for sensitive data.

WE CLAIM:

1. The **Saw App**, an integrated recruitment platform comprising video profiles, live coding assessments, video calling, screen sharing, anonymized interviews, and broadcasting channels, designed to enhance the recruitment process for both candidates and recruiters.

2. The app as claimed in Claim 1, wherein video profiles enable candidates to create short, 30-second videos highlighting skills, experiences, and personality for recruiter evaluation.

3. The app as claimed in Claim 1, wherein live coding assessments include a real-time coding environment with syntax highlighting and performance evaluation tools for technical roles.

4. The app as claimed in Claim 1, wherein integrated video calling and screen sharing allow candidates and recruiters to collaborate effectively during interviews.

5. The app as claimed in Claim 1, wherein anonymized interviews preserve participant privacy while providing educational benefits through shared learning experiences.

6. The app as claimed in Claim 1, wherein broadcasting channels support group discussions, real-time messaging, and resource sharing for job seekers and recruiters.

7. The app as claimed in Claim 1, wherein its backend architecture utilizes the MERN stack for scalability and employs JWT-based authentication for secure login sessions.

8. The app as claimed in Claim 1, wherein WebSocket protocols enable real-time video calls, messaging, and assessments with minimal latency.

9. The app as claimed in Claim 1, wherein the content moderation system ensures adherence to community guidelines and professionalism in video profiles and other interactions.

10. The app as claimed in Claim 1, wherein future enhancements include AI-driven analytics for candidate recommendations and recruiter insights.

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ABSTRACT

SAW APP: AN INTEGRATED PLATFORM FOR VIDEO PROFILE-BASED RECRUITMENT AND REAL-TIME ASSESSMENT

The invention introduces the **Saw App**, a comprehensive recruitment platform integrating video profiles, live coding assessments, video calls, screen sharing, anonymized interviews, and broadcasting channels. Designed to streamline the hiring process, the app enhances candidate evaluation, facilitates real-time interactions, and supports educational and networking opportunities.