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(57) Abstract :
The present disclosure relates to a system and method (100) for nut cracking and shelling. The system (100) is provided a housing (102) where a primary sensing unit (104), a cracking unit (106), a secondary sensing unit (108) and a processing unit (110) are communicatively coupled in a housing (102). The primary sensing unit (104) is configured to convey harvested nuts along a process line, while the cracking unit (106) is configured to break the harvested nuts and separate them into shell and kernels. Additionally, the secondary sensing unit (108) is configured to identify and segregate the shell and kernels from the harvested nuts. The processing unit (110) configured to use on or more techniques to classify the shells and kernels into different bins.

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