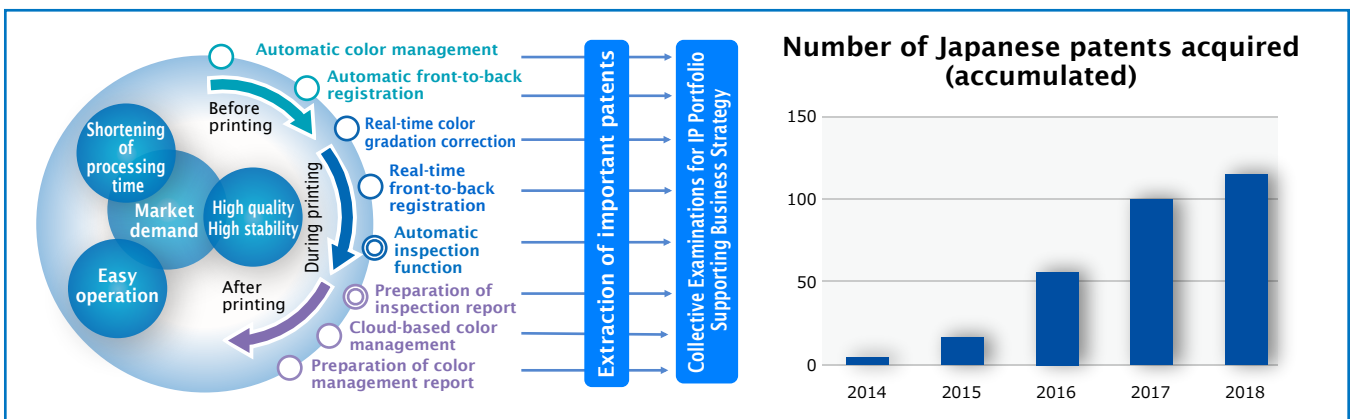


Examples of intellectual property activities in specific businesses

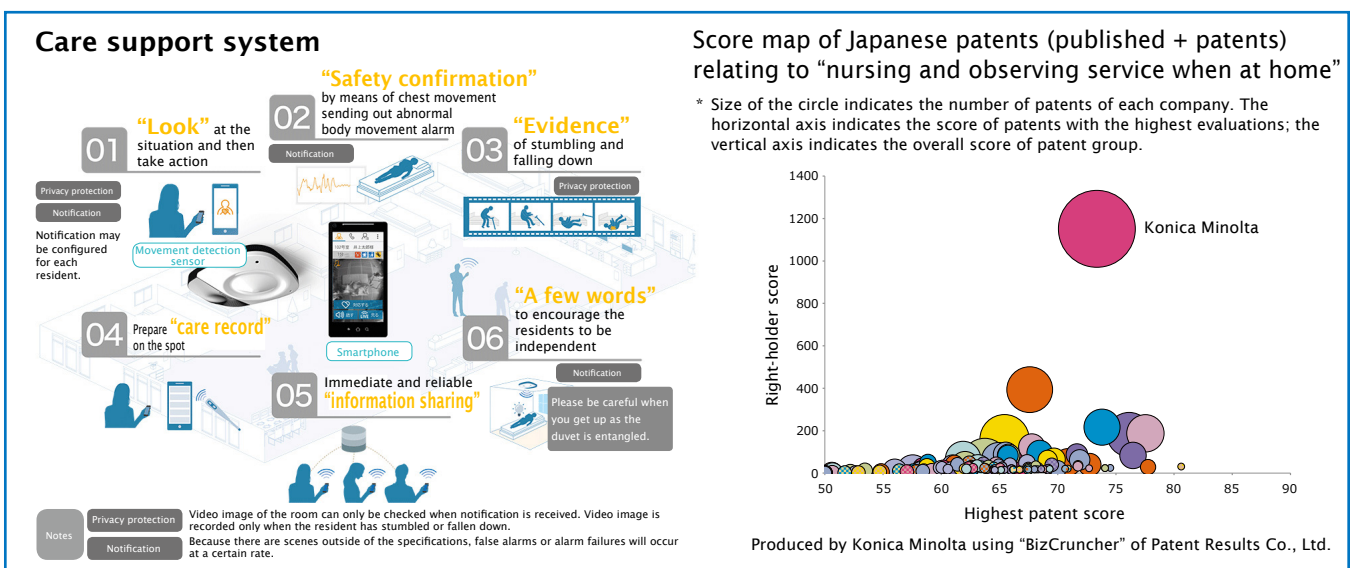
[Production Print]

The Intelligent Quality Optimizer unit IQ-501 (hereafter, IQ-501) for automatically optimizing printing quality, which has been well received since its launch in the summer of 2017, has newly added the automatic product inspection function.⁶ The automatic inspection function automatically detects pages with marks or missing images and ejects them on a specified tray. Together with the recovery printing function, the added value offered by the IQ-501, such as quality printing within shorter job time, is enhanced even further. With respect to Konica Minolta's various proprietary technologies applied to realize the added value as described above, approximately 700 patent applications have been filed worldwide as of the end of fiscal 2018. Particularly in fiscal 2018, prompt and effective acquisition of rights for important applications has been pursued by taking advantage of the "Collective examinations for IP portfolio supporting business strategy"⁷. Through these measures, the Division provides powerful support from the intellectual property aspect to the added value we offer our customers.



[Care support system]

The care support system⁸ is a solution developed to resolve the major social issue of a shortage of caregivers resulting from the increased number of people requiring long-term care in an aging society and decreased working-age population. Built around movement detection sensor and smartphone, the system provides solutions for realizing efficiency in the nursing care business. Improvement in work efficiency helps to ease caregivers' time and mental stress and thereby improve care quality, which could not be achieved with existing devices such as care calls, mat sensors and care record system. Konica Minolta is working on enhancing its patent portfolio by applying for and establishing rights on pioneer patents that protect applications and business models applied to realize this value proposition.



⁶ For technical information on Intelligent Quality Optimizer, visit our website: https://www.konicaminolta.jp/business/products/graphic/ondemand_print/iq-501/index.html

⁷ For details on Collective examinations for IP portfolio supporting business strategy, visit the Japan Patent Office website: https://www.jpo.go.jp/system/patent/shinsa/general/matome_sinsa.html

⁸ For information on care support system, visit our website: <https://www.konicaminolta.com/jp-ja/care-support/service/nursing-home-solution/>