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(54) **DATA COMPRESSION TECHNOLOGIES**

(71) Applicant: **Intel Corporation**, Santa Clara, CA (US)

(72) Inventors: **Xiaoyan BO**, Shanghai (CN); **Junyuan WANG**, Shanghai (CN); **Xinghong CHEN**, Shanghai (CN); **Chengfei ZHU**, Shanghai (CN); **Shuai YUAN**, Shanghai (CN); **Weigang LI**, Shanghai (CN); **Dongsheng LIANG**, Shanghai (CN); **Fei YU**, Shanghai (CN)

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(57) **ABSTRACT**

Examples described herein relate to performing data compression by performing dictionary matching of data using hardware circuitry to generate dictionary matched results and post-processing of dictionary matched results using software executed by a processor. In some examples, dictionary matching includes LZ77 dictionary matching. In some examples, dictionary matching occurs on multiple segments of data in parallel.