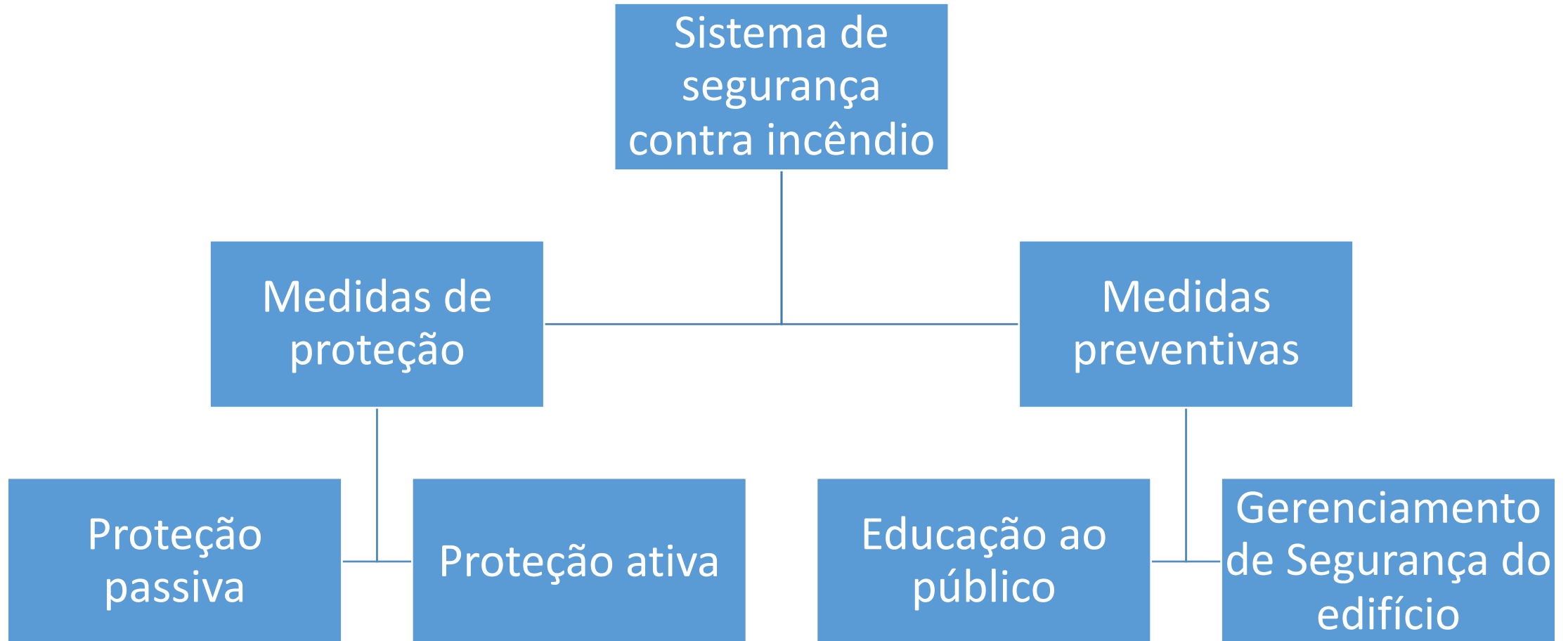


Tecnologias de proteção ativa

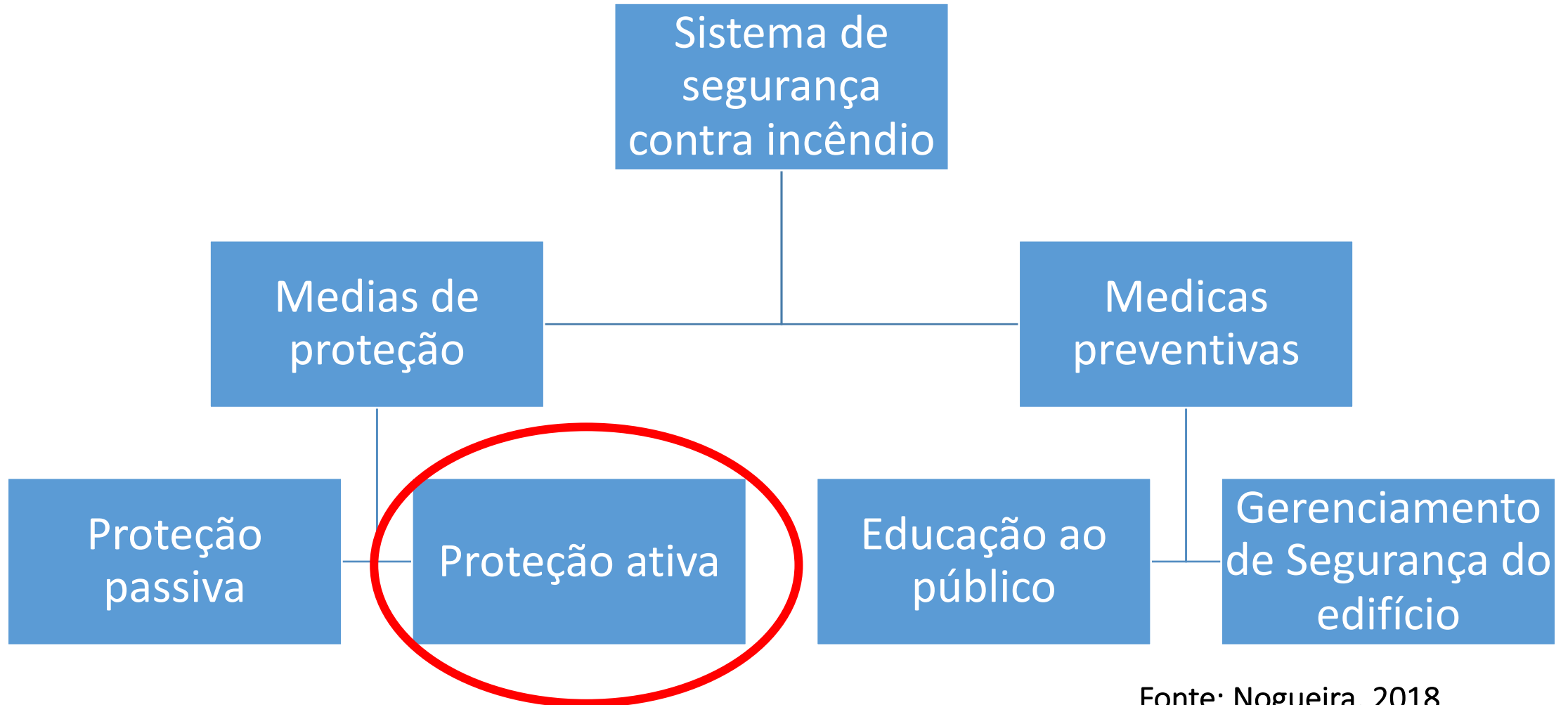
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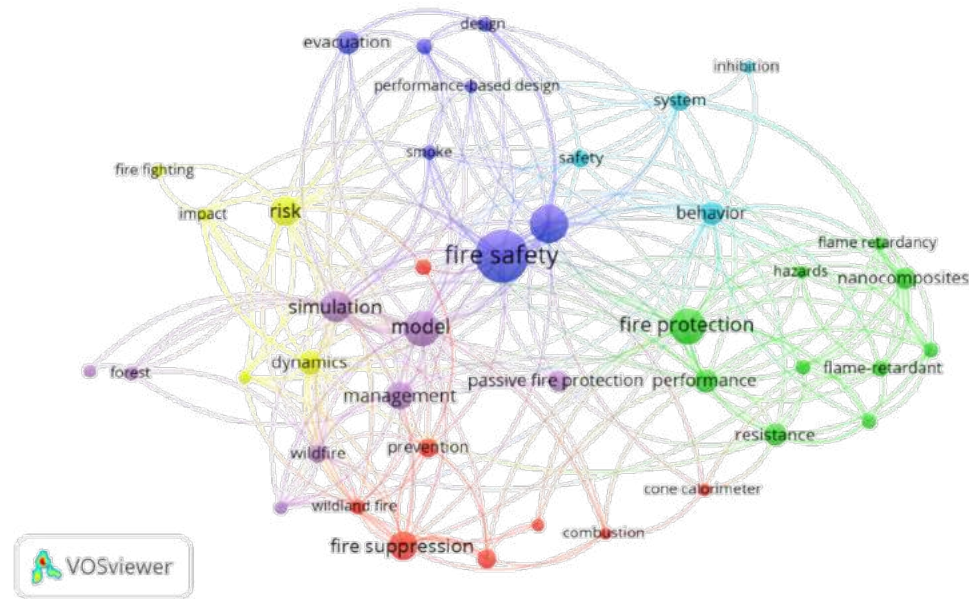
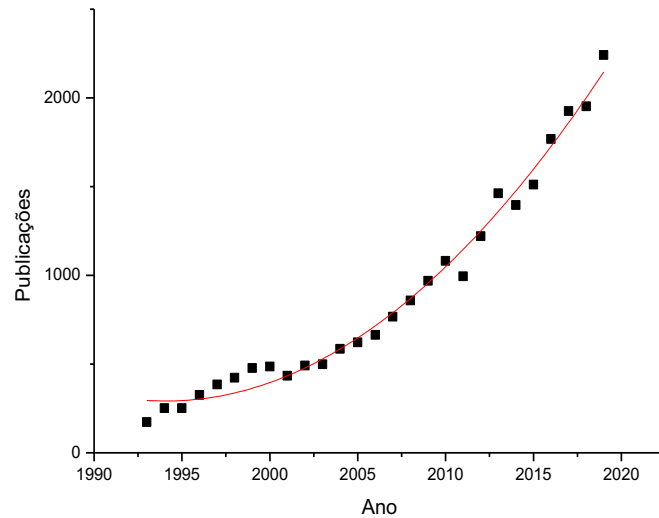
Segurança Contra Incêndio



Segurança Contra Incêndio



Análise das produções científicas: *Fire AND (Suppression OR Fighting OR Safety OR Protection)*.



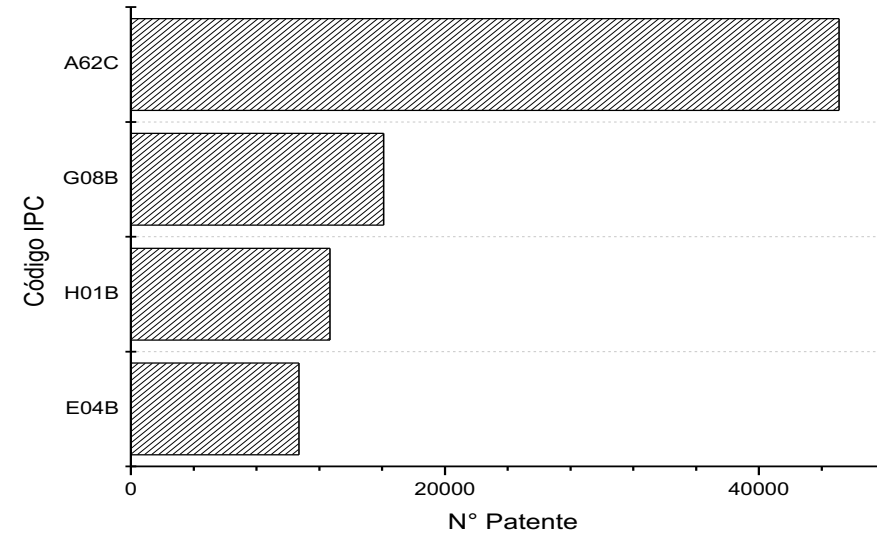
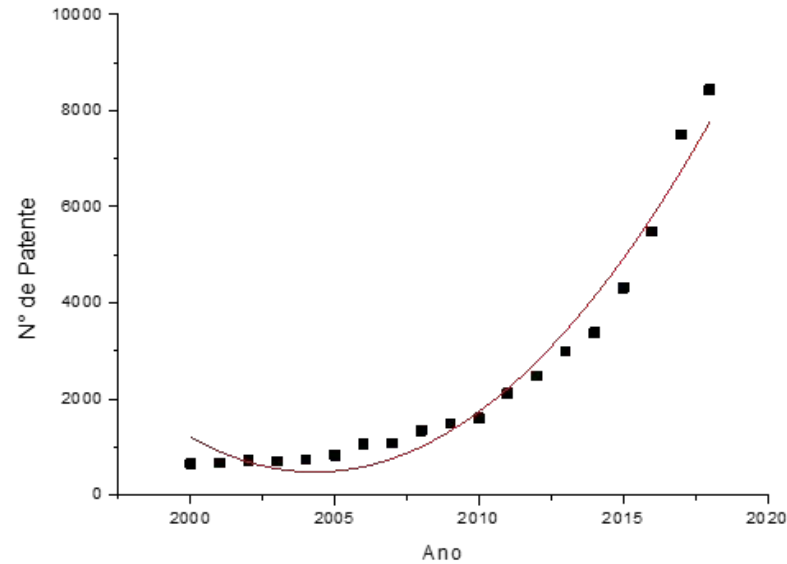
Rota para evacuação (CALIENDO et al., 2020; BERNARDINI et al. 2016).

Uso de nanotecnologia e compósitos (OLAWOYIN, 2018; DING et al. 2020; IBRAHIM; PATRUNI, 2020; AHMED et al., 2019).

Estudo do comportamento do fogo (BESHIR et al., 2020; CHOW et al., 2008; FRANCIS; CHEN, 2012; GOMES et al., 2020).

Inteligência Artificial e Internet das Coisas (CAVALERA et al., 2019; ARTÉS, et al., 2019; INNOCENTE; GRASSO, 2019).

Análise das produções técnicas: *Fire AND (Suppression OR Fighting OR Safety OR Protection)*.



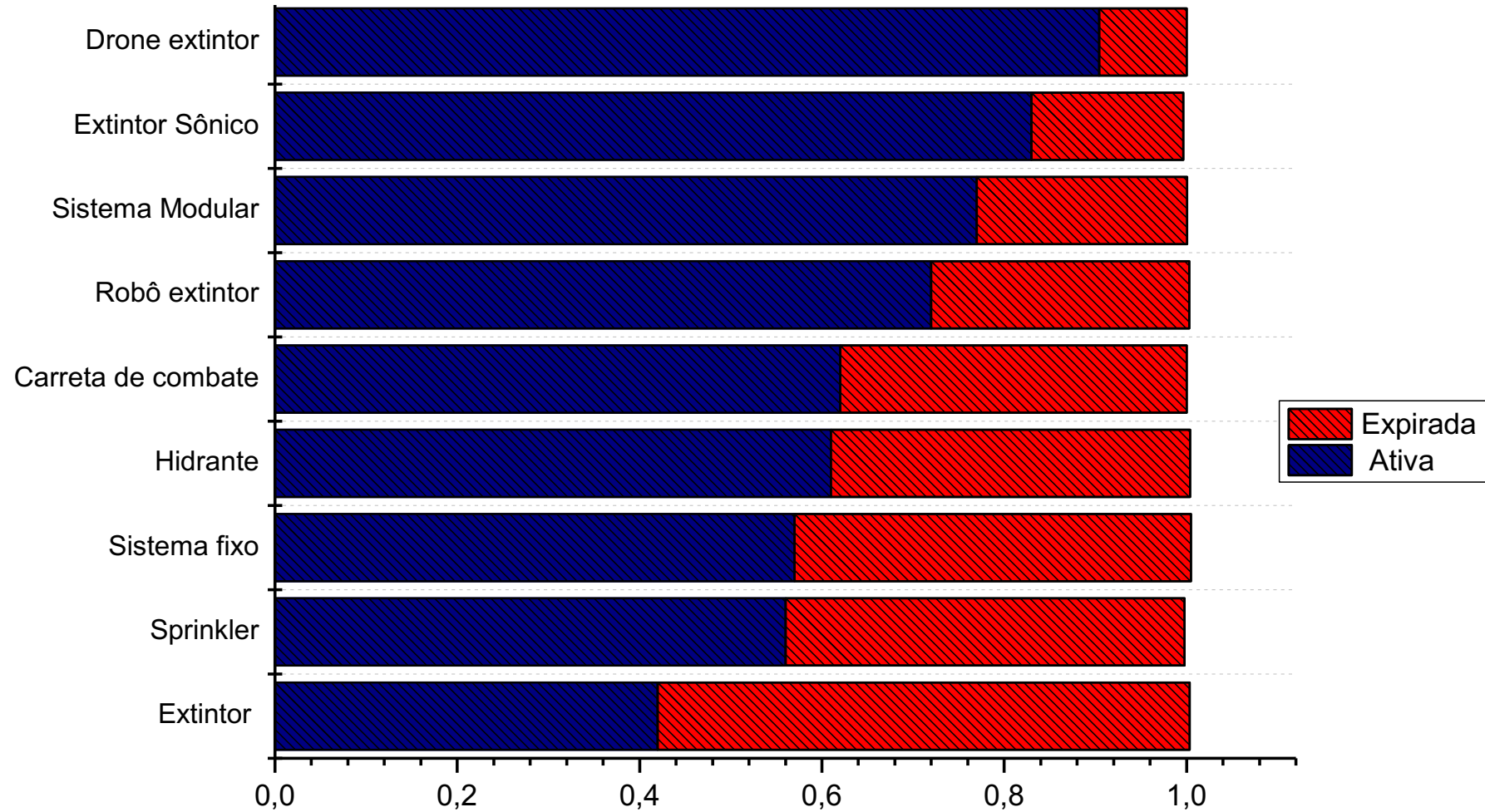
A62C - Combate ao fogo (WEI; ZHANG, 2020; BURDIN, 2020; WANG, 2020; CHOI, 2020; ZHOU, 2020)

G08B - Sistemas de sinalização ou chamada; ordenação telegrafica; sistemas de alarme (HOU, 2020; WU, 2019; KEUN-CHEOL, 2019; JIANG, 2020)

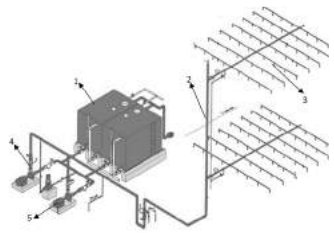
H01B - Cabos; condutores; isoladores; uso de materiais específicos devido as suas propriedades condutoras, isolantes ou dielétricas (ROYSTON, 2020; OSBORNE JR; VILLANUEVA, 2019; FYFE, 2019; SCHLYTTER-HENRICHSEN, 2020)

E04B - Estrutura geral de edificações; paredes, (FÖRG, 2020; COUTURIER, 2019; PILZ; POLIQUIN, 2019; WU, 2020)

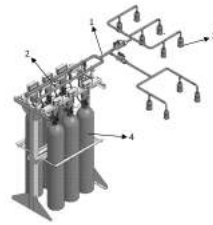
Soluções de engenharia de proteção contra incêndio em estruturas



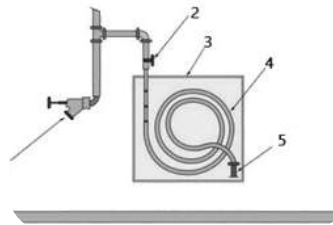
Sistemas de combate



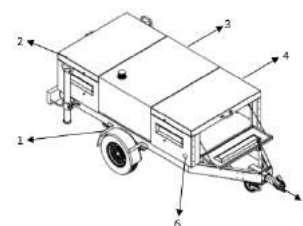
Sprinkler



Sistema fixo



Hidrante/mangotinho



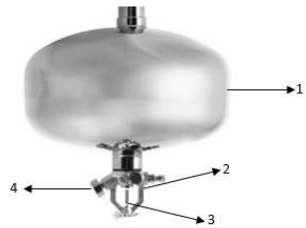
carreta



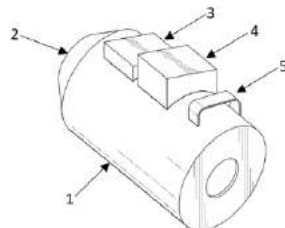
Drone



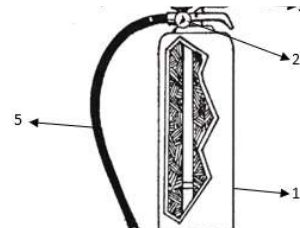
Robô



Sistema modular



Sônico



Extintor



Bola extintora



Manta



Granada

Inovação em sprinkler



Inovação em Hidrantes



Drones de combate a incêndio

Robô de combate a incêndio

履带式机器人平台
防爆消防灭火侦察机器人

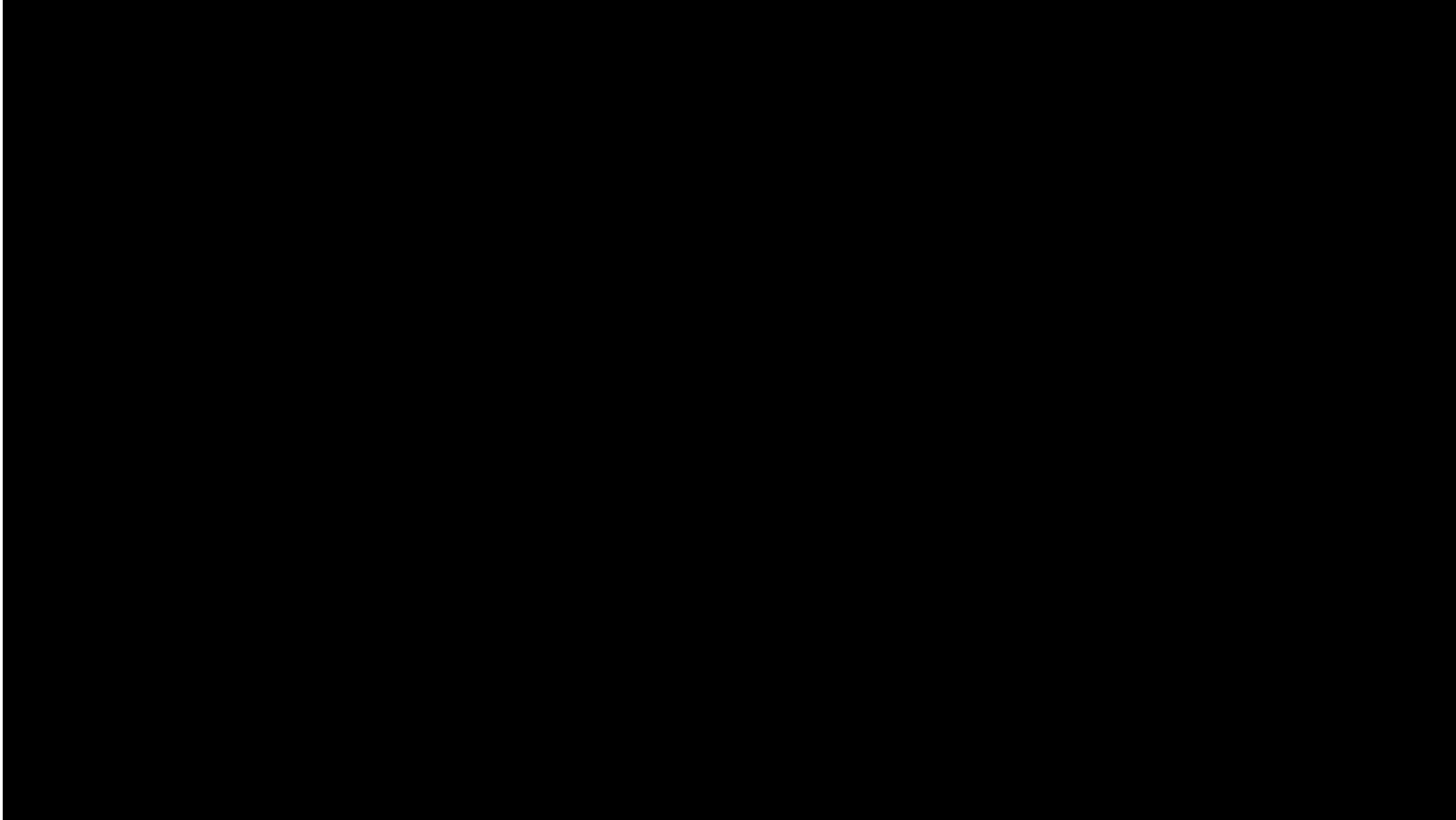


中信重工开诚智能装备有限公司
CITIC HIC KAICHENG INTELLIGENCE EQUIPMENT CO., LTD.

Sistema modular



Bola extintora



Granada



Extintor sônico



Dúvidas?

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