

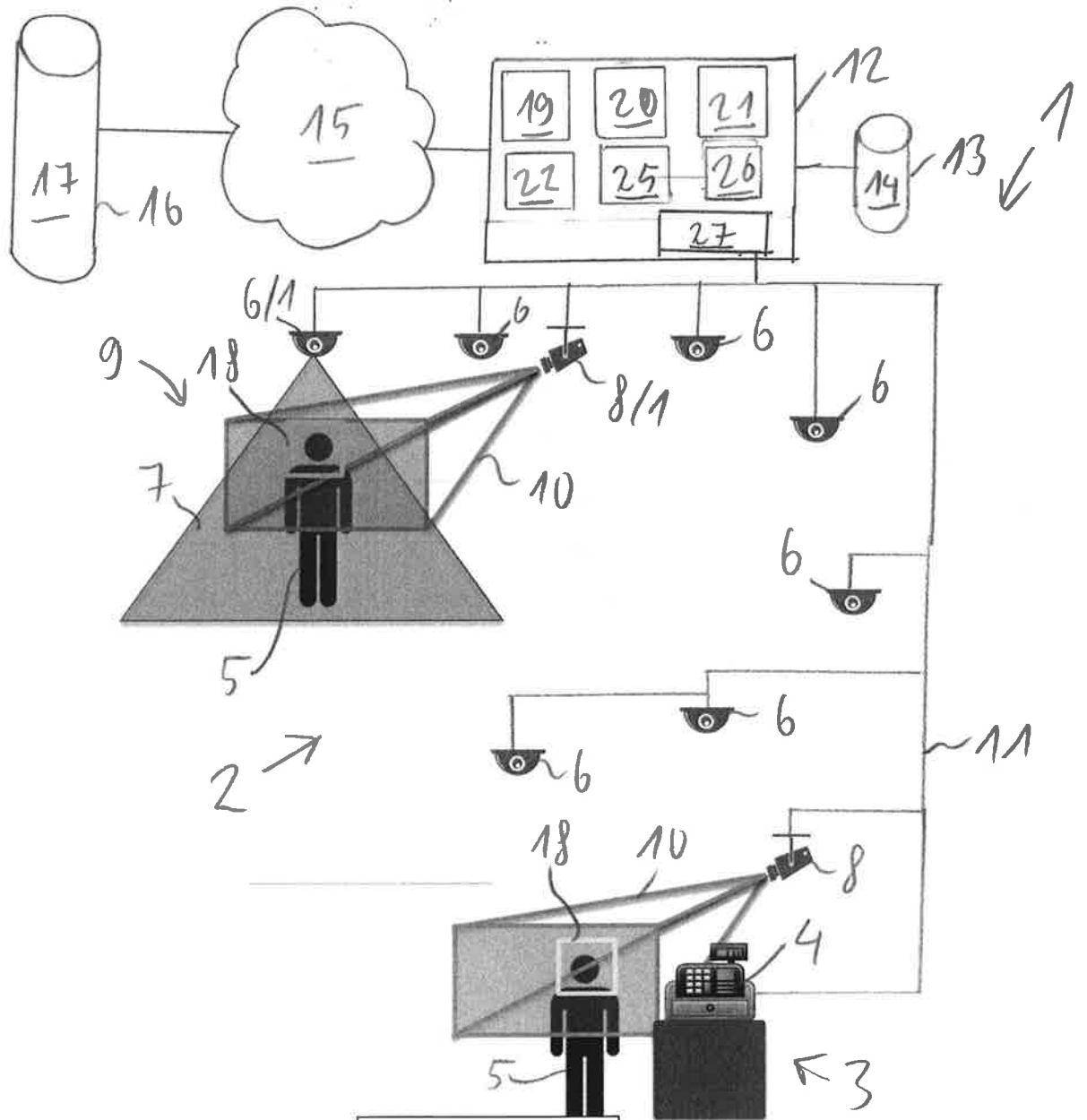


Fig. 1

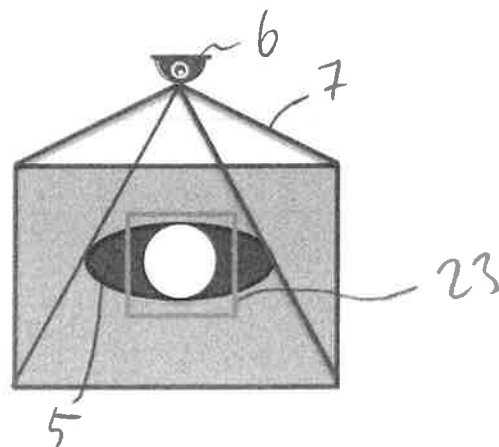


Fig. 2

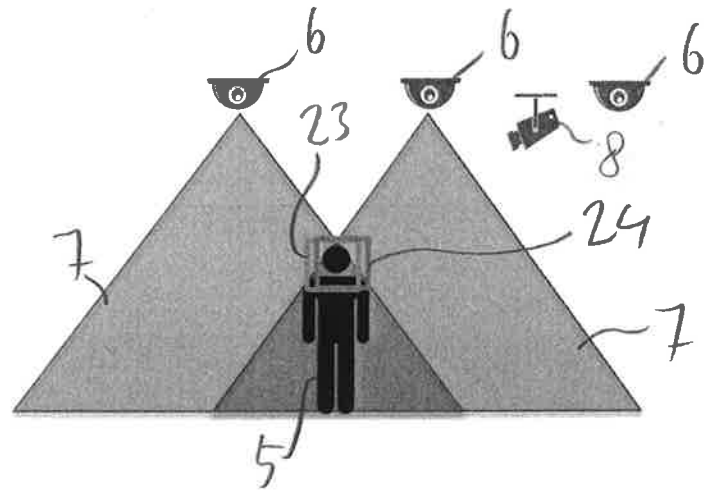


Fig. 3

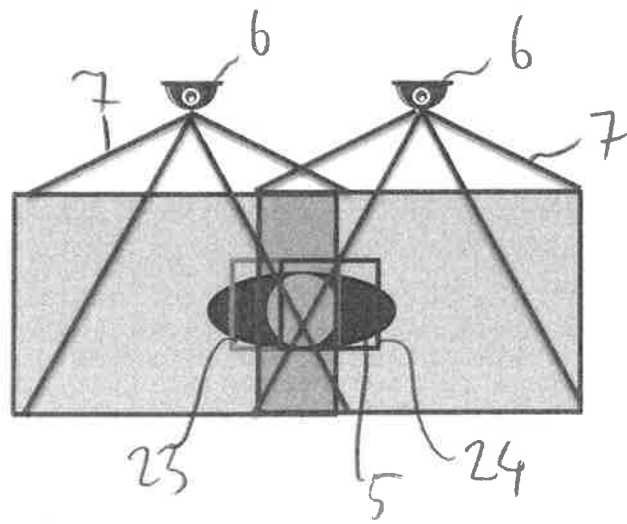


Fig. 4

face detection module

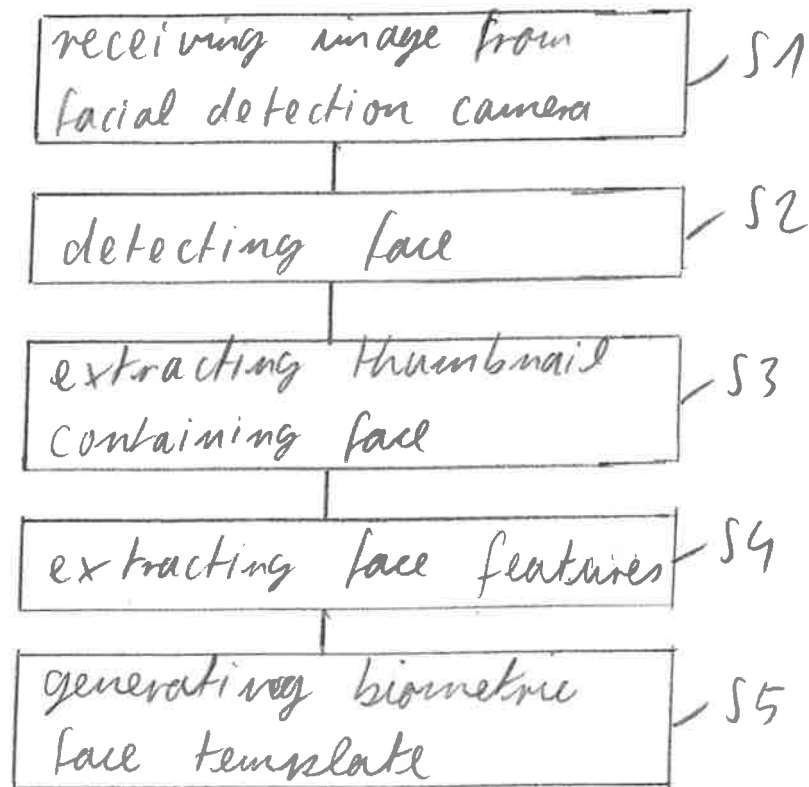


Fig 5

first tracking module

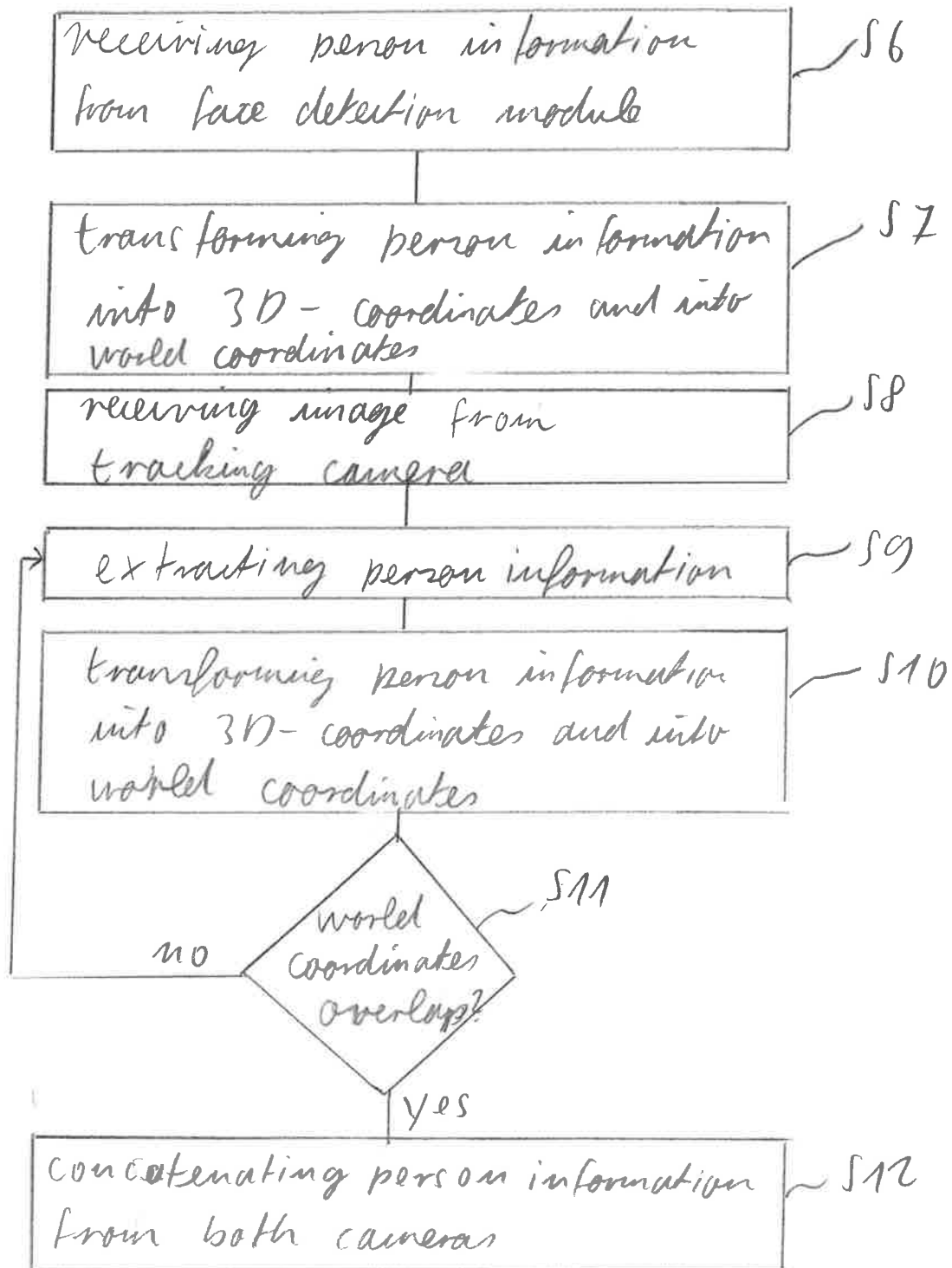


Fig. 6

Second tracking module

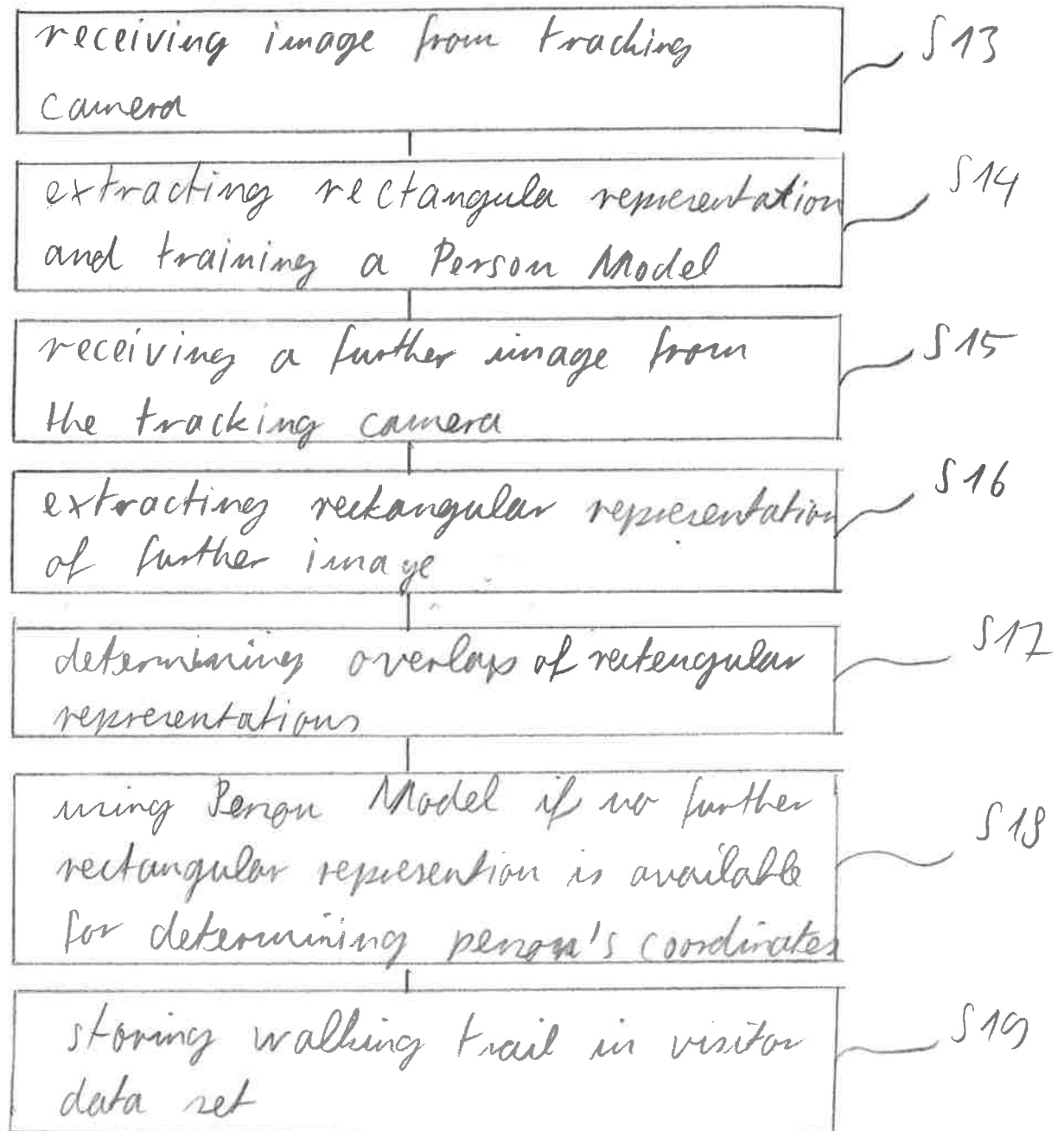


Fig. 7

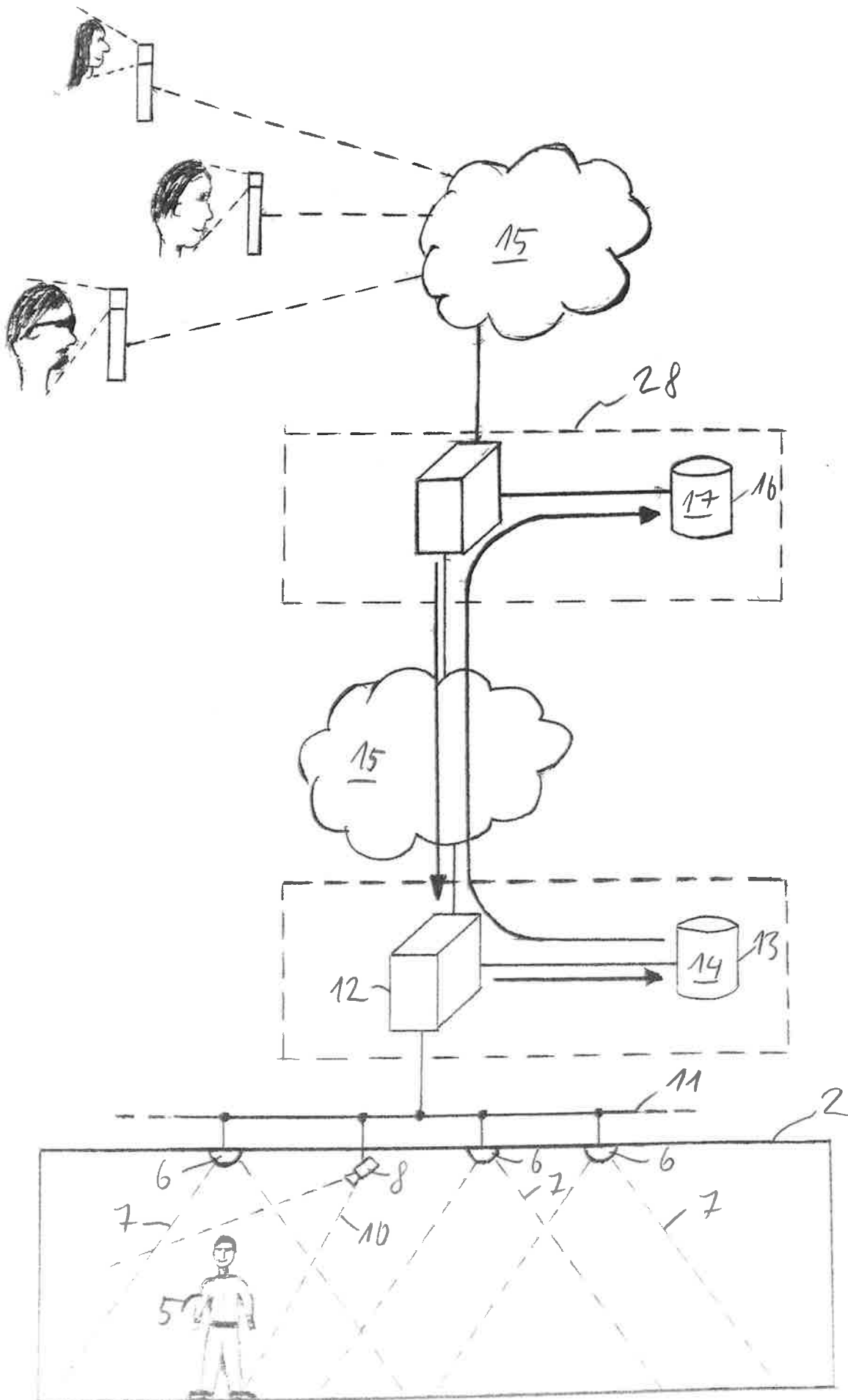


Fig. 8

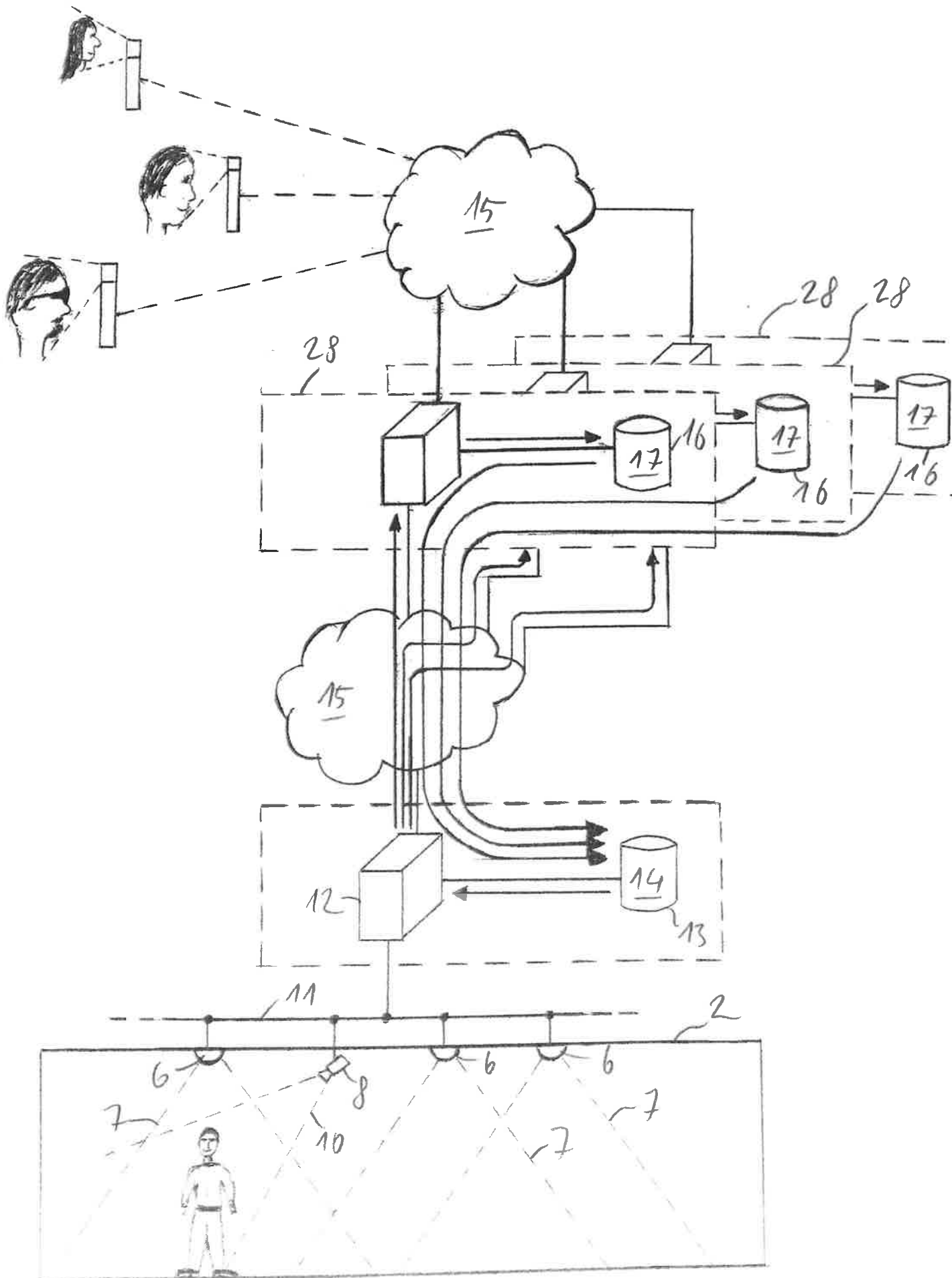


Fig. 9

POS database:

29

Face Template	Walk-in & Time	Shopping Trail	Offline Purchase Time and Items
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Fig. 10

Master user database:

30

Personal Info	Face Template	Sign up Timestamp	Communication ID	Online Shopping Behaviour	Walk-in & Time	Shopping Trail	Offline Purchase Time and Items
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Fig. 11